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# NSLDS II Reengineering Data Conversion Detail Design

Version 1.1

**November 26, 2002**

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## 1 Introduction

### 1.1 Overview

This document describes the data conversion procedures for migrating the legacy National Student Loan Data System (NSLDS) data into the reengineered NSLDS II. The Data Conversion Detailed Design includes data mapping tables as well as the detailed procedures that will be followed during the data conversion.

### 1.2 NSLDS II Technical Overview

NSLDS II will be comprised of an EDW, which is a single data store of detail data for the enterprise. The EDW data structure is identical to the legacy NSLDS data structure and will contain the legacy FSA data that is stored in NSLDS. The EDW is built in third normal form and allows cross-functional analysis of the business.

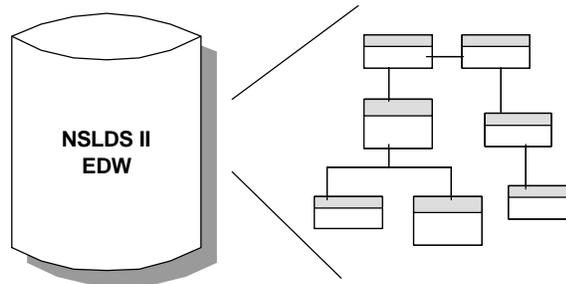


Figure 1, NSLDS II Enterprise Data Warehouse

The NSLDS II EDW will populate the NSLDS II Data Mart, which is a subset of the data from the EDW that is used for specific analysis by specific user groups. The NSLDS II Data Mart will be built around a dimensional data model, where the dimensions are built to support the queries required for analysis. The NSLDS II Data Mart will be the prime component for static, ad hoc, and other reporting needs.

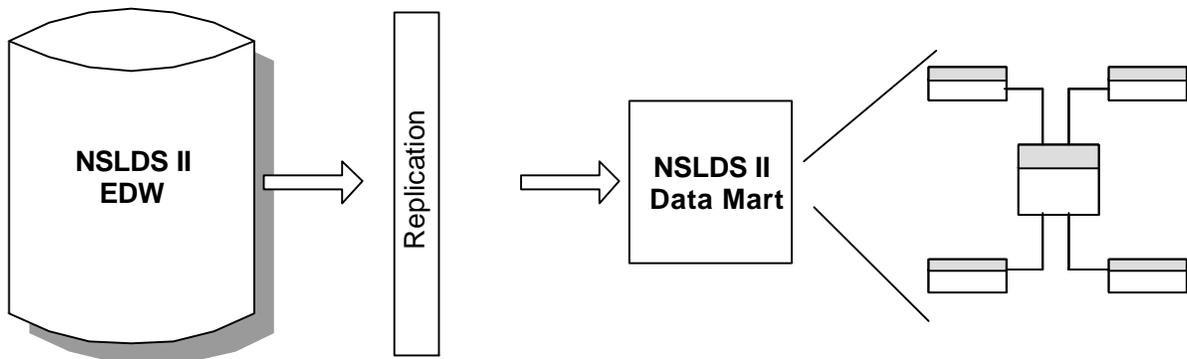


Figure 2, NSLDS II Data Mart Model

### **1.3 Legacy NSLDS Technical Architecture**

The legacy NSLDS system is hosted on an IBM 9672 G4 mainframe with two terabytes of DASD. The NSLDS application layer is comprised of IBM DB2 version 6.1 and OS/390 version 2 release 10. The legacy NSLDS production database consists of 1 terabyte of data, 45 percent of which is compressed. An additional 0.5 terabytes of storage is used to maintain the NSLDS development and test environments.

### **1.4 NSLDS Conversion Constraints**

The constraints detailed below were considered when developing the NSLDS II data conversion strategy.

- The NSLDS mainframe does not have the capacity to store a second instance of the production database or the unloaded NSLDS data in file format. CSC, which maintains the legacy NSLDS hardware, does not have the funding to purchase additional DASD for the data conversion.
- NSLDS data is extracted from the mainframe through the unload process that extracts the data in 4K increments called pages. There are approximately 50 million pages in the NSLDS production database that need to be converted. The NSLDS DB2 administrator has unloaded six million pages in 24 hours from a single table. Therefore, the extraction of NSLDS data will require 5 days assuming the two unload process are running in parallel.

## 2 NSLDS Data Conversion Approach

### 2.1 Overview

NSLDS is updated daily through both internal and external interfaces as well as through the NSLDS Financial Aid Professional Website, CICS, and by the Raytheon Quality Assurance Team.

The NSLDS II data conversion will be broken into three separate conversions as shown in the figure below.

1. The initial conversion will be comprised of NSLDS data prior to a specific date.
2. The second conversion will load the interface files received in step 1 into the NSLDS II EDW.
3. The third conversion will populate the NSLDS Data Mart with information from the NSLDS II EDW.

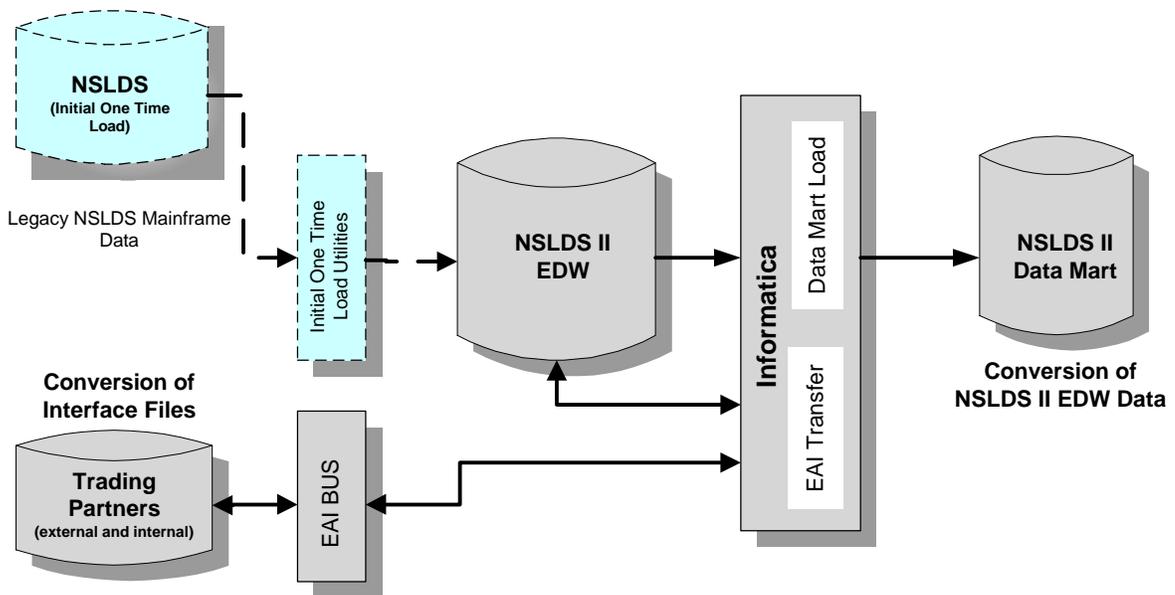


Figure 3, NSLDS II Data Diagram

### 2.2 Identified NSLDS to NSLDS II EDW Conversion Options

While developing the NSLDS data conversion approach, several options were explored for converting data from NSLDS to the NSLDS II EDW. These conversion options are examined in the table below.

Option	Conversion Option	Details	Resolution/Comments
<b>A</b>	Extract data from the NSLDS mainframe. Transfer the extracted data to the NSLDS II platform using the gigabit server network located at the VDC.	<ul style="list-style-type: none"> <li>• An OSA-Express gigabit adapter would need to be installed on the NSLDS mainframe to transfer data from to NSLDS II.</li> <li>• A files system would be mounted on the NSLDS mainframe so that extracted NSLDS data could be saved directly to the NSLDS II platform during the data extraction process.</li> <li>• Data files are automatically converted from EBCDIC to ASCII when saved to a mounted file system.</li> </ul>	<ul style="list-style-type: none"> <li>• The minimum hardware requirements for installing the OSA-Express adapter is a G5 mainframe.</li> </ul>
<b>B</b>	Extract data from the NSLDS mainframe. Transfer the extracted data to the NSLDS II platform using a gigabit server network located at the VDC. Use multiple OSA-2 Fast Ethernet (100 Mb/sec) adapters to connect the NSLDS mainframe to the gigabit server network.	<ul style="list-style-type: none"> <li>• Multiple OSA-2 Fast Ethernet adapters would need to be installed on the NSLDS mainframe.</li> <li>• A files system would be mounted on the NSLDS mainframe so that extracted NSLDS data could be saved directly to the NSLDS II platform during the data extraction process.</li> <li>• Data files are automatically converted from EBCDIC to ASCII when saved to a mounted file system.</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple OSA-2 Fast Ethernet adapters can be installed on the mainframe, but a file system cannot be mounted to multiple OSA-2 adapters to take advantage of the combined bandwidth.</li> </ul>
<b>C</b>	Extract database data from the NSLDS mainframe to tape. Load data on to NSLDS II from tape.	<ul style="list-style-type: none"> <li>• Connect NSLDS mainframe to a StorageTek 9940A tape drive using the ESCON adapter on the mainframe that has a transfer rate of 15MB/sec.</li> <li>• Manually transfer tapes to StorageTek 9310 Tape Silo for loading into NSLDS II platform.</li> <li>• Convert the data from EBCDIC format to ASCII.</li> </ul>	<ul style="list-style-type: none"> <li>• Transferring the extracted NSLDS data to the tape drive using the ESCON connection would take 60 hours.</li> <li>• A separate process would be required to convert the data files from EBCDIC to ASCII format.</li> <li>• CSC is reluctant to purchase or lease more than one StorageTek 9940A tape drive which limits the speed of the data extraction.</li> </ul>

Option	Conversion Option	Details	Resolution/Comments
<b>D</b>	Perform a full backup of NSLDS mainframe and restore backup to the NSLDS II platform.	<ul style="list-style-type: none"> <li>Perform a full backup of the NSLDS mainframe. This process requires six hours.</li> <li>Restore files on the NSLDS II platform.</li> </ul>	<ul style="list-style-type: none"> <li>A full backup of the mainframe cannot be restored onto the NSLDS II platform, since it includes the operating system as well as the database files.</li> </ul>
<b>E</b>	Extract the NSLDS mainframe data to a storage unit such as DASD or a SAN. Connect the NSLDS II platform to the same storage unit to load the data onto the NSLDS II platform.	<ul style="list-style-type: none"> <li>CSC maintains a SAN at the VDC.</li> </ul>	<ul style="list-style-type: none"> <li>Transferring the extracted NSLDS data to a storage unit such as DASD or a SAN using the ESCON connection would take 60 hours.</li> <li>A separate process would be required to convert the data files from EBCDIC to ASCII format.</li> </ul>
<b>F</b>	Extract data from the NSLDS mainframe. Transfer the extracted data to the NSLDS II platform. Use the ESCON adapter to connect the NSLDS mainframe to server network.	<ul style="list-style-type: none"> <li>Connect NSLDS mainframe to the GB server network using ESCON adapter with a data transfer rate of 15 MB/sec.</li> <li>A file system would be mounted on the NSLDS mainframe so that extracted NSLDS data could be saved directly to the NSLDS II platform during the data extraction process.</li> <li>Data files are automatically converted from EBCDIC to ASCII when saved to a mounted file system.</li> </ul>	<ul style="list-style-type: none"> <li>This option would require 60 hours to transfer the data from NSLDS to NSLDS II.</li> </ul>

After reviewing the data conversion options, it was determined that the most effective method would be option F, extract the data from the NSLDS mainframe and transfer it to the NSLDS II platform using the ESCON adapter to connect NSLDS to the server network. An IBM DB2 database administrator as well as the Modernization Partner Integrated Technical Architecture Team reviewed all of the options and the all parties have agreed that option F is the best solution available at this time.

NOTE: Due to the delay in the NSLDS II implementation schedule, the current version of the operating system (OS/390 v2.10) and the DB2 (v6.1) will need to be upgraded. These upgrades may require that the NSLDS mainframe hardware be upgraded as well. The conversion options discussed above will be reviewed after the NSLDS II hardware, operating system, and DB2 database upgrades are finalized to validate whether the conversion process recommended in this document is still the best option.

### **3 NSLDS Data Conversion**

#### **3.1 NSLDS to NSLDS II EDW Conversion**

##### **3.1.1 Mount File System to NSLDS Mainframe**

The OS/390 Network File System (NFS) will be used to mount a virtual directory on the NSLDS mainframe that is on the NSLDS II servers. Before mounting the file system both the NSLDS mainframe and the NSLDS II servers will be connected to an internal gigabit Ethernet server network located at the VDC. The NSLDS mainframe will be connected to the gigabit Ethernet through using an ESCON adapter, which has a data transfer rate of 15 MB/sec.

The OS/390 NFS will be used to attach to the NSLDS mainframe to mount a virtual directory on the NSLDS II server. Since the NSLDS mainframe stores data in EBCDIC format, the data must be converted to ASCII before being loaded into the NSLDS II EDW. The OS/390 NFS performs translation between EBCDIC and ASCII.

##### **3.1.2 Data Unload**

Data will be extracted from the NSLDS mainframe using BMC Unload, which is optimized to perform high-speed data unloads from DB2. BMC Unload will be called using the IBM's Job Control Language (JCL). The unloaded data will be saved to a directory on the NSLDS II server.

The unload process that extracts data from the NSLDS mainframe in 4K increments called pages. There are approximately 50 million pages in the NSLSDS production database that must be converted and 250,000 pages can be unloaded per hour. It is estimated that the data unload will require 5 days assuming the two unload process are running in parallel.

##### **3.1.3 Data Load**

NSLDS data will be loaded into the NSLDS II EDW using the DB2 Load and DB2 Autoloader utilities. The NSLDS II EDW is partitioned so that entities with large amounts of data will be stored across several DB2 partitions while smaller entities are stored in a single partition.

When loading data into multiple partitions it must pass through a splitting phase where it is divided before being loaded. The DB2 AutoLoader utility completes the split process using a hashing algorithm to automatically partition the data. The AutoLoader utility then calls the DB2 Load utility to load the data into the partitions.

The DB2 Load utility will be used to load the files when the target entity is located in a single partition and there is no reason to split the data.

Data will be loaded in parallel when possible. An entity from each of subject area (Schools, Students, Servicers, Loan, GAs, Lenders, Default Rates) can be loaded simultaneously.

Unfortunately, multiple entities in the same subject area cannot be loaded in parallel to preserve the referential integrity of the database. It is estimated that the data load will require 3 days.

### 3.1.4 Data Validation

Data will be validated after it is exported from NSLDS at two separate points during the conversion. First, data will be validated through the use of exception reports that will be reviewed after the data has been unloaded. Second, the data will be verified after it has been loaded into NSLDS II EDW by reviewing the following:

- The total record counts of the target entities and the source entities (e.g. NSLDS II EDW entities will be the target and the data exported from NSLDS will be the source).
- The data from entities loaded in the NSLDS II EDW with the data exported from NSLDS through an automatic comparison program.
- Manually review the data from entities on the target system and the source system and for discrepancies.

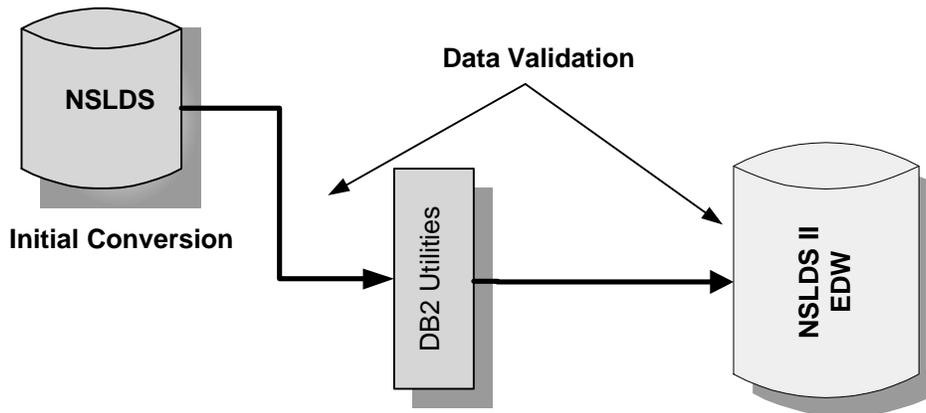


Figure 4, Data Validation Process

## 3.2 Conversion of Interface Files

### 3.2.1 Overview

Following the initial conversion, the interface data received by NSLDS after the conversion began will be loaded into the NSLDS II EDW. Once the initial conversion is complete, the interface files will be loaded into the NSLDS II EDW using the standard NSLDS II interface load modules. When possible the files in the queue will be loaded in parallel instead of sequentially to reduce the processing time.

### 3.2.2 Data Files

NSLDS receives interface files from trading partners that are both internal and external to FSA. The external interface files are sent to NSLDS through the Student Aid Internet Gateway (SAIG) or on tape. Interface files from internal trading partners are sent to NSLDS through the EAI Bus or on tape.

The SAIG Online Secure Manager allows users to access an Archive of all files sent to the mailbox within the last 180 days. This list will be used to verify all interface files that are sent electronically to the NSLDS SAIG mailbox during the conversion. The interface files loaded into NSLDS by tape will be identified prior to the conversion and copies of those tapes will be preserved to load the data into NSLDS II. Finally, interface files sent from internal systems through the EAI Bus will be saved for loading after the initial conversion is complete.

Updates made to NSLDS data from the Financial Aid Professional website, CICS, and by Raytheon Quality Assurance Team will not be allowed during the data conversion. This will simplify the conversion process and will allow interface files to be loaded faster.

### 3.2.3 Loading Interface Data Files

The interface files will be loaded into the NSLDS II EDW in batches using the interface programs built to handle the regular loading of interfaces. Outbound interfaces files created by NSLDS II through the loading of the interface file will not be sent. The detail design specifications for each of the interface programs can be found in the System Interface Detailed Design documents.

The performance implications of using the interface modules to load interface files for conversion will be investigated and tested. Where performance issues are identified, modified versions of the interfaces may need to be developed. After the interface files are loaded in NSLDS II the data will need to be validated.

### 3.2.4 Data Validation

After the interface files are loaded into NSLDS II, the data will be validated against data in NSLDS. At this point the legacy NSLDS database and the NSLDS II EDW will be synchronized. The NSLDS II EDW data will be verified by inspecting the following:

- The total record counts of the target entities and the source entities (e.g. NSLDS II EDW entities will be the target and the NSLDS entities will be the source entities).
- Compare the data from entities loaded in the NSLDS II EDW with the data in NSLDS.
- Manually review the data from entities on the target system and the source system and for discrepancies.

## 3.3 Conversion of NSLDS II EDW Data

### 3.3.1 Overview

The conversion of the NSLDS II EDW data to the NSLDS II Data Mart process will be separated into three steps: extract, transform, and load (ETL), as shown in the figure below. Informatica PowerCenter will be used as the ETL tool to manage the conversion of NSLDS II EDW data to the NSLDS II Data Mart. Informatica PowerCenter is an object-oriented, visual data transformation engine that includes the tools required to manage the detailed functions that makeup the ETL process. PowerCenter provides tools for designing, implementing, and managing the data extraction process, then transforming the data and loading it into the target system (NSLDS II Data Mart).

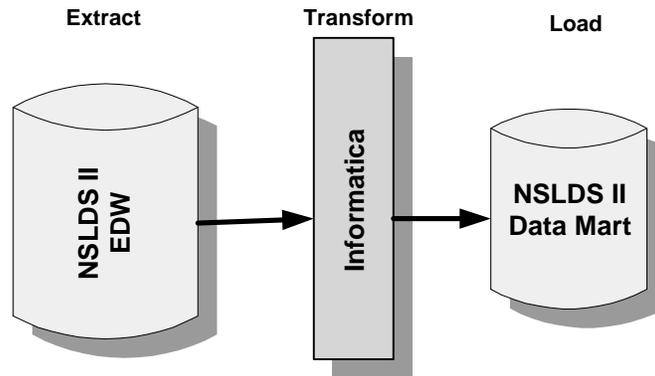


Figure 5, NSLDS II EDW Conversion Process

### 3.3.2 Data Extraction

Data extraction will be used to extract the NSLDS II data from the EDW. Specific data elements were identified through analysis of the new data model and business requirements. A mapping table, which specifies how the data will be moved from the EDW to the Data Mart, has been developed as part of the detailed design.

### 3.3.3 Data Transformation

Transformation involves the mapping of data in the NSLDS II EDW to the NSLDS II Data Mart according to a one-to-one or a one-to-many relationship between the source and target database. The NSLDS II EDW is a normalized database with the data organized in third normal form, while the NSLDS II Data Mart is organized using a star scheme. Therefore, data received from the extract step will need to be enhanced prior to being loaded.

Each piece of information brought into the Data Mart must be sent to a specific location. Mapping is the process of defining where the data should go and includes matching, elementization, and standardization.

- Matching is the process of checking for similar data elements and prevents redundant storage, indexing, and searching.
- Elementization is parsing or separating data into a list of standard elements.
- Standardization is arranging data in a single, consistent format.

Data that fails to load into the NSLDS II Data Mart will be noted in an exception report. These data elements will be inspected to determine the reason that they were not processed and then repaired. The repaired data will be sent back through the transformation process. If the repairs to the data were effective, the data will go through cleanly. Otherwise, the data will be written back to the exception file, reviewed, and repaired again.

### 3.3.4 Data Load

During the data load, data will be received from the transform step and loaded into the NSLDS II Data Mart. Informatica will accomplish the data load using a specialized load utility that

directly loads the data from the source files produced during the transformation. Informatica will generate files that are formatted for the load utility. The load utility will move the data into the NSLDS II Data Mart.

The conversion procedures, mapping tables, and new data model will form the basis of the load design. The NSLDS II Data Mart tables will be populated based upon the requirements outlined in the mapping tables.

### 3.3.5 Data Validation

Data will be validated after it is loaded into the NSLDS II Data Mart. First, data will be validated through the use of exception reports that will be reviewed to validate that all of the data has been loaded. Second, the data will be verified after it has been imported into NSLDS II Data Mart by reviewing the following:

- The total record counts of the target entities and the source entities (e.g. NSLDS II Data Mart entities will be the target and the NSLDS II EDW entities will be the source entities).
- Reports will be executed on the target system and the source system and reviewed for discrepancies.

NOTE: Due to the delay in the NSLDS II implementation schedule, IBM Data Propagator version 8 service pack 2 will be available in June 2003 and maybe a more viable option for the NSLDS II EDW to NSLDS II Data Mart conversion. A beta version of Data Propagator version 8 service pack 2 will be available in March 2003. Data Propagator will be examined to determine whether it is a more practical option for the data conversion when the beta version is released.

## 4 Data Conversion Testing

### 4.1 Overview

This section will discuss the methodology and test phases that will be used to test the data conversion procedures. For more information on the NSLDS II Reengineering testing methodology please refer to the NSLDS Test Plan submitted as part of deliverable 94.2.2 - Preliminary Design.

The data conversion will be divided into the following logical phases of testing: unit, integration, and system. Each phase is described in detail in the following sections.

In each phase of testing, the converted data will be verified by reviewing the total record counts of the target entities and the source entities as well as by running a program to check that target entity data and the source entity data is the same.

Entry and exit criteria for each of the test phases will be established to prior to beginning testing. The entry and exit criteria for relevant test phase will be reviewed before terminating the test phase and proceeding into the next one. Any component that fails to meet the established criteria will be returned to its current phase.

### 4.2 Unit Testing

The unit test is the test of the individual modules that encompass the data conversion. The unit test will verify that each module in the data conversion works as designed. The following two components will be unit tested.

1. Conversion of NSLDS data to the NSLDS II EDW
2. Populate the NSLDS Data Mart with information from the NSLDS II EDW

Testing of these components will be performed independent of each other. Unit testing of the interface modules will be performed as part of the interface development and testing effort.

The legacy NSLDS User Acceptance (UA) database will serve as the data source for the unit test. The UA database contains approximately 20 gigabytes of data that has been cleansed to comply with privacy requirements, but meets the relational constraints of the database.

Each of the conversion components will be tested independently. The unit test will include three passes during which the volume of data will be increased.

- Pass 1 – Conversion of one large entity such as the Loan table
- Pass 2 – Conversion of 25% of data from the UA database
- Pass 3 – Conversion of 50% of data from the UA database

### 4.3 Integration Testing

Following the completion unit testing, integration testing will be performed on groups of dependent modules. The integration test checks the compatibility of the data conversion

components discussed in section 4.2 Unit Testing to verify that the components function properly when integrated. Integration testing of the interface modules will be performed as part of the interface development and testing effort.

The legacy NSLDS Active database will serve as the data source for the integration test. The integration test will include two passes during which the volume of data will be increased.

- Pass 1 – Conversion of 10 percent of data from the NSLDS Active database
- Pass 2 – Conversion of 30 percent of data from the NSLDS Active database

#### **4.4 System Testing**

System testing will concentrate on the requirements and business processes to ensure that the system requirements have been met. System testing will test the components of the data conversion working together as a whole, integrated solution.

The following three components will be tested:

1. Conversion of NSLDS data to the NSLDS II EDW
2. Loading of interface files in the NSLDS II EDW
3. Populate the NSLDS Data Mart with information from the NSLDS II EDW

The legacy Active database will serve as the data source for the system test. The system test will include three passes during which the volume of data will be increased.

- Pass 1
  - Conversion of 50 percent of data from the NSLDS Active database
  - Loading of production interface files received during a single day
- Pass 2
  - Conversion of 70 percent of data from the NSLDS Active database
  - Loading of production interface files received during a two day period
- Pass 3
  - Conversion of 100 percent of data from the NSLDS Active database
  - Loading of all production interface files received during a the conversion period

## 5 NSLDS to NSLDS II EDW Conversion Procedures

### 5.1 Data Source and Target

Attribute	Source	Target
System	NSLDS	NSLDS II EDW
VDC Hardware Name	NSLSYSP	TBD
IP Address	4.20.3.86	TBD

### 5.2 Conversion Procedures

#### 5.2.1 Mapping Virtual Directory

These procedures define the steps required to mount a file system on the AIX server from the OS/390 mainframe. Both the mvslogin and the mount command will need to be used. The mvslogin command and specifications are as follows:

#### **mvslogin flag(s) hostname mvs-userid**

Parameter	Description
mvslogin	Command Name
Flag(s)	<p><b>-p</b> Causes a prompt for the user's MVS password. The password is passed to MVS to validate the user logging in.</p> <p><b>-n</b> Causes a prompt for a new password.</p> <p><b>-pn</b> Causes a prompt for the user's current password and then causes two prompts for the user's new password.</p> <p><b>-P mvs_passwd</b> No prompt for your MVS password; just type your MVS password after the -P. This enables you to automate your MVS login.</p> <p><b>-g group</b> A group name string passed to MVS for accounting purposes. The maximum length is 8 characters.</p> <p><b>-a account</b> An account string passed to MVS for accounting purposes. The maximum length is 16 characters.</p>
Hostname	Specifies the name of the server

MVS-USERID	Specifies an authorized OS/390 User ID
------------	--

The mount command and specifications are as follows:

**mount option(s) hostname:"mvs\_qual ,attribute " /localpath**

Parameter	Description
Mount	Command Name
Option(s)	Represents the optional command modifiers
Hostname	Specifies the name of the NSLDS II server
MVS_QUAL	The path name of an OS/390 HFS (must begin with the /HFS prefix) or the high level qualifier of an OS/390 data set.
Attributes	The OS/390 NFS server data set creation attributes. If any attributes are specified, the string containing mvs_qual and the attributes must be enclosed in double quotes ("). Otherwise mvs_qual can be specified without double quotes.
/localpath	The mount point, an empty directory on the NSLDS II server, where the extracted NSLDS data will be saved.

An example of the mvlogin, mount, unmount, and mvlogout sequence appears below:

```
# mvlogin mvshost1 smith
Password required
GFSA973I Enter MVS password: password
GFSA955I smith logged in ok.
# mount mvshost1:"smith" /u/smith/mnt
mount: mvshost1:"smith"
"smith" was attached successfully.
# unmount /u/smith/mnt
Unmounting '/u/smith/mnt' ... successful
# mvlogout mvshost1
UID 200 logged out ok.
```

### 5.2.2 Data Unload Procedures

NSLDS data will be unloaded from the mainframe using JCL scripts that call BMC Unload to extract data from a specified entity. The script will also identify where the extracted data should be saved. The JCL script and specifications are as follows:

```
//USERID JOB (C75333AA-5100AAAA,066), 'UNLOAD TS', CLASS=N,
// MSGCLASS=X, REGION=0M, NOTIFY=USERID
//STEP1 EXEC PGM=ADUUMAIN, PARM= 'NSLP, UNLND, , , MSGLEVEL(0)', REGION=0M
//STEPLIB DD DSN= 'DB2.BMCUTIL.NSLP.LOAD', DISP=SHR
// DD DSN= 'DB2.NSLP.DSNEXIT', DISP=SHR
// DD DSN= 'DB2.NSLP.DSNLOAD', DISP=SHR
//ABNLIGNR DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//UTPRINT DD SYSOUT=*
//SYSOUT DD SYSOUT=*
//SYSIN DD *
```

```

UNLOAD SHRLEVEL REFERENCE
UNLOADDN (UNLOAD)
CNTLCARDS DB2LOAD
CNTLDDN SYSCNTL
FORMAT EXTERNAL
DISCARDS 0
ORDER NO
SORTDEVT SYSDA SORTNUM 12
AUTOTAG NO
INTERVAL 0
FIXEDVARIABLE NO
SELECT * FROM ACTP.LOAN;
//SYSCNTL DD DSN=USERID.ACTP.LOAN.CARD,DISP=(,CATLG,CATLG),
//          SPACE=(TRK,(1,1)),UNIT=NSLTEST

//UNLOAD   DD DSN=USERID.ACTP.LOAN.FILE,DISP=(,CATLG,CATLG),
//          SPACE=(TRK,(1,1),RLSE),UNIT=NSLTEST

```

Parameter	Description
Select * From	Entity Name to be unloaded
SYSCNTL DD DSN=	The location of the entity to be unloaded
UNLOAD DD DSN=	The location where the unloaded file should be saved

### 5.2.3 Data Load Procedures

The data load will be performed by issuing the command to start the DB2 Load utility or the DB2 AutoLoader utility. The Load utility will be used when an entity is located in a single partition while the AutoLoader utility will be used when the entity is located in two or more partitions. Multiple instances of the Load and the AutoLoader utilities can be run in parallel as long as the target entities are in different subject areas (i.e. Schools, Students, GAs, etc.) to maintain referential integrity.

#### 5.2.3.1 Load Utility

The load utility is invoked through the DB2 command line processor (CLP). The Load command and parameters are as follows:

```

DB2 LOAD FROM filename OF filetype MODIFIED BY RECLEN = recordlength METHOD L
(columnstart column-end,...) MESSAGES message-file INSERT INTO tablename
(insertcolumn,...) STATISTICS YES WITH DISTRIBUTIONAND DETAILED INDEXES ALL

```

Parameter	Description
FROM filename	Specifies the file that contains the data being loaded.
OF filetype	Specifies the format of the data in the input file: <ul style="list-style-type: none"> <li>ASC (non-delimited ASCII format)</li> <li>DEL (delimited ASCII format)</li> </ul>
MODIFIED BY RECLEN = recordlength	Specifies the length of each record. Note: This is only required if the data file is not in delimited ASCII format.

METHOD L	Specifies the start and end column numbers from which to load data. A column number is a byte offset from the beginning of a row of data. It is numbered starting from 1. Note: This method is only used with ASC files, and is the only valid option for that file type.
MESSAGES message-file	Specifies the destination for warning and error messages that occur during the load operation.
INSERT INTO tablename	Specifies the database table into which the data is to be loaded.
STATISTICS YES	Specifies that statistics are to be collected for the table and for any existing indexes.
WITH DISTRIBUTION	Specifies that distribution statistics are to be collected.
AND INDEXES ALL	Specifies that both table and index statistics are to be collected.

#### 5.2.3.2 *AutoLoader Utility*

Before invoking the AutoLoader utility:

- A temporary working directory must be created on the NSLDS II server. This directory must be accessible to all database partitions. It is from this directory that the AutoLoader utility will be invoked.
- An AutoLoader configuration file for each entity that will be loaded must be created saved in the working directory.
- The svcname database manager configuration parameter and the DB2COMM profile registry variable must be set correctly. This is important, because the AutoLoader utility makes remote database connections from the working partition (from which the utility is invoked) to the database partitions (on which the table is defined).

Following is a sample AutoLoader configuration file:

```
#####  
#release level  
#####  
RELEASE=V7.00  
#####  
#CLP load command  
#####  
db2 load from directory/input file of filetype modified by reclen = recordlength method l (columnstart column-end,...)  
insert into tablename (insertcolumn,...)  
#####  
#database name  
#####  
database=wsdb  
#####  
#split partition list  
#####  
SPLIT_NODES=(#,#)  
#####  
#running mode  
#####  
mode=split_and_load  
#####  
#log file token  
#####  
logfile=mylog  
#####  
#frequency of progressive information  
#  
#print out progressive info every 10  
#mega-bytes of data  
#####  
STATUS_INTERVAL=10
```

The following command issued against this configuration file invoked the autoloader utility and includes the path of the temporary working directory. The name of the configuration file, sample.atld.cfg, is also specified: /home/user/atld\_work/\$db2atld -config sample.atld.cfg

/home/user/atld\_work/\$db2atld -config sample.atld.cfg

The AutoLoader parameters set in the configuration file include:

Parameter	Description
RELEASE Level	This specifies the release level of the configuration file. Do not delete or modify this line in the configuration file.
LOAD Command	The most important part of the configuration file is the LOAD command. The AutoLoader needs the LOAD command to direct the handling of the data, even if the selected mode of operation does not suggest that any loading is required. Specifications on the LOAD command indicate where the data is coming from, what type of data it is (delimited ASCII, for example), how the data is to be loaded, and the target table name.
DATABASE	This parameter is used to identify the database into which the data is to be loaded.
SPLIT_NODES	The database partitions participating in the splitting process are specified through this parameter. These database partitions may be the same or different from the database partitions being loaded. If a value for this parameter is not specified, the AutoLoader determines how many partitions are needed for splitting, and which partitions will be used to achieve optimal performance.
MODE	This parameter specifies the mode in which the AutoLoader utility is to run. The SPLIT_AND_LOAD mode will be used for the NSLDS II Data Conversion, since the data must be split before it is loaded on the correct database partitions.
LOGFILE	This parameter is used to provide the base name of the temporary and permanent files used by the AutoLoader utility.
STATUS_INTERVAL	This parameter specifies the number of megabytes (MB) of data to load before generating a progress message. Valid values are whole numbers in the range of 1 to 4000. The default value is 100.

### 5.3 NSLDS Source Entities for Conversion

The table below provides a detailed listing of all database entities that will be converted from the legacy NSLDS to the NSLDS II EDW, including the following information for each entity as of June 2002:

- Entity Name
- Row Count - Actual number of rows in each entity
- Average Row Length – Average length of all rows contained in an entity
- Average Entity Size in bytes– Row Count \* Average Row Length

Entity Name	Row Count	Average Row Length	Average Entity Size (Bytes)
AGG_DESC	186	18	3,348
AGG_DESC_ITEM	47,597	14	666,358
AGG_DESCN	944	19	17,936
AGG_ORG	8	22	176
AGG_PURP	222	18	3,996
AID_OVRPMT	169,469	23	3,897,787
AID_OVRPMT_DEL_LOG	4,875	32	156,000
ALIAS	2,501	22	55,022
ALT_ADD	1,129	115	129,835
ANTIC_COMPL	168,027,678	28	4,704,774,984
APPEAL_REQ	1,029	13	13,377
ATTR	0	0	0
BAT_LCK	454	10	4,540
CERT	129,483,209	30	3,884,496,270
CKPT_RSTART	0	0	0
CMD	297	28	8,316
CMD_SECUR	628	6	3,768
COL_SECUR	0	0	0
COLL	115,870,132	25	2,896,753,300
CON_TYPE	13	22	286
DEF_RT_CAL_REQ	2,957	19	56,183
DEF_RT_HIS	2,079,662	53	110,222,086
DFR_TYPE	28	62	1,736
DFR_TYPE_USAGE	286	4	1,144
DIR_INCM_CONTG_HIS	139,328	12	1,671,936
ENRL	214,590,611	31	6,652,308,941
ENT	0	0	0
EXP_STU_ENRL	247,139,820	9	2,224,258,380
FDSLP_SVR	1	136	136
FDSLP_SVR_BR	1	5	5
FDSLP_SVR_BR_HOL	23,634,652	11	259,981,172
FINANC_PROF	98,058,905	29	2,843,708,245
FORM	35	29	1,015
FORM_INSUR_CL_CODE	123	8	984
FORM_LOAN_TYPE	151	4	604
FORM_PARM	204	11	2,244
FORM_RT_TYPE_CNT	204	5	1,020
FS_SBMTL_HIS	166	34	5,644
FS_SBMTL_RUN_ERR	3,165,351	36	113,952,636

Entity Name	Row Count	Average Row Length	Average Entity Size (Bytes)
FUNC_GP	39	10	390
GA	60	142	8,520
GA_AGG	652,776	17	11,097,192
GA_ERR_NOTIF_HIS	47	32	1,504
GA_SBMTL_HIS	4,296	40	171,840
GA_SBMTL_RUN_ERR	12,020,962	40	480,838,480
GA_SUM	46,720	19	887,680
INSUR_CL_PMT	25,391,073	27	685,558,971
INSUR_CL_RFD	474,333	23	10,909,659
IRS_OFF	10,774,098	28	301,674,744
LEN	31,269	43	1,344,567
LEN_BR	31,269	17	531,573
LEN_BR_AGG	9,665,807	22	212,647,754
LEN_BR_HOL	359,661,215	36	12,947,803,740
LEN_BR_HOL_SVR	85,787,621	19	1,629,964,799
LEN_BR_SVR	205	37	7,585
LEN_BR_SVR_AGG	0	0	0
LEN_BR_TRAN_HIS	0	0	0
LEN_LST_RST_HIS	242,890	9	2,186,010
LMT	1	32	32
LOAN	151,979,009	69	10,486,551,621
LOAN_AUD_SUPP	1,205	13	15,665
LOAN_CAN	17,130,063	21	359,731,323
LOAN_CNSL_APP	972,957	16	15,567,312
LOAN_CPTL_INT	9,326,674	17	158,553,458
LOAN_DEF_RT_DEF	1,494,490	12	17,933,880
LOAN_DFR	29,936,349	16	478,981,584
LOAN_DIS	194,498,776	20	3,889,975,520
LOAN_EXTL_ID	137,097,674	20	2,741,953,480
LOAN_FRGV	469	12	5,628
LOAN_GP	16,352,717	19	310,701,623
LOAN_GUA	138,255,915	24	3,318,141,960
LOAN_MAT_DT_HIS	322,477,442	13	4,192,206,746
LOAN_ORIGN_SUPP	21,739,880	22	478,277,360
LOAN_RFD	1,644,226	18	29,596,068
LOAN_RPMT_PLAN	13,533,522	12	162,402,264
LOAN_STAT	618,937,766	16	9,903,004,256
LOAN_STAT_AMT_HIS	7,872,330	15	118,084,950
LOAN_SUPP	59,098,146	24	1,418,355,504
LOAN_SUPP_DCS			0
LOAN_TRAN_LOG	1,096,173	14	15,346,422
LOAN_TYPE	18	50	900

Entity Name	Row Count	Average Row Length	Average Entity Size (Bytes)
LOAN_TYPE_ERR_HIS	128,327	10	1,283,270
LOAN_TYPE_GP	4	70	280
LOAN_UNPD_RFD_DCHG	12	24	288
LOC_GP	21,590	11	237,490
LTR_RECIP	10	57	570
LTR_REQ	5	62	310
LTR_TEXT	355	94	33,370
LTR_TEXT_PARM	78	20	1,560
METRICS	20,988	16	335,808
MSG	962	26	25,012
MSG_FUNC_GP	1,056	6	6,336
NATL_AGG	364,368	17	6,194,256
NON_COLL_LOAN	0	0	0
NSLDS_EXTL_CON	14,182	87	1,233,834
NSLDS_USER	58,561	121	7,085,881
ONLN_LCK	17	26	442
ONLN_LOAN_AUD	11,020	26	286,520
ORG	81,437	21	1,710,177
ORG_CON	7,948	103	818,644
PARAM_VAL	132	21	2,772
PCA_SPA_NOTIF	38,510,517	11	423,615,687
PELL_GRT	37,601,400	74	2,782,503,600
PELL_SBMTL_RUN_ERR	73	26	1,898
PEPS_SBMTL_HIS	544	15	8,160
PEPS_SBMTL_RUN_ERR	2,797,063	13	36,361,819
PLUS_BOR	3,327,240	31	103,144,440
PLUS_BOR_LOAN	6,618,575	17	112,515,775
PLUS_BOR_NM	3,535,429	20	70,708,580
PLUS_BOR_SSN	3,335,508	21	70,045,668
PLUS_NON_COLL_LOAN	0	0	0
PORT	7,247	4	28,988
PORT_PARTIC	46,352,515	13	602,582,695
PORT_PARTIC_FCD	0	0	0
PORT_STAT	7,596	5	37,980
PORT_UNRL_STU	0	0	0
PREF_SCH	62,867,894	12	754,414,728
PRSCRN_APPL	51,796,787	27	1,398,513,249
PRSCRN_RSLT	87,312,390	78	6,810,366,420
PRSCRN_RSLT_LOAN	164,517,147	64	10,529,097,408
PRSCRN_RSLT_PELL	1,638,998	54	88,505,892
REG_AGG	0	0	0
REINSUR_CL_PMT	15,590,353	26	405,349,178

Entity Name	Row Count	Average Row Length	Average Entity Size (Bytes)
REINSUR_CL_RFD	68,755	22	1,512,610
RPCH_LOAN	1,021,972	17	17,373,524
RPT_DEST			0
RPT_FORM	82	6	492
RPT_PARM	22,015	82	1,805,230
RPT_PARM_ATTR	158,061	26	4,109,586
RPT_PARM_PROF	547	18	9,846
RPT_PARM_PROF_VAL	87	28	2,436
RPT_PROF	119	105	12,495
RPT_SECUR	61	6	366
RT	3,486	8	27,888
RT_CATG	316	9	2,844
SBMTL_CNTL	6,817	5	34,085
SBMTL_CNTL_DET	364,140	59	21,484,260
SBMTL_ERR_DESCN	39	109	4,251
SBMTL_ERR_HIS	22,159	30	664,770
SCH	18,277	28	511,756
SCH_BR	34,859	111	3,869,349
SCH_BR_AGG	27,361,368	23	629,311,464
SCH_BR_CODE_XREF	36,790	8	294,320
SCH_BR_DLOAN_ORIGN	80,642	12	967,704
SCH_BR_DUNS_NO	19,569	10	195,690
SCH_BR_HOL_SVR	2,368,217	12	28,418,604
SCH_BR_PROG	627,027	15	9,405,405
SCH_BR_STAT_HIS	135,705	9	1,221,345
SCH_BR_SVR	12	176	2,112
SCH_BR_SVR_AGG	0	0	0
SCH_BR_TRAN_HIS	172,167	9	1,549,503
SCH_ORIGN_HIS	0	0	0
SCH_SBMTL_HIS	245,198	37	9,072,326
SCH_SBMTL_RUN_ERR	37,280,141	33	1,230,244,653
SPA_PMT	5,811,260	18	104,602,680
SPCL_ALLOW_CATG	14	2	28
SPCL_ALLOW_DEF	8	15	120
SSCR_CYCLE	45,324	6	271,944
SSCR_DELIHQ_LTR	53,616	10	536,160
SSCR_ERR_DET	1,717,661	52	89,318,372
SSCR_EVT	21,778	15	326,670
SSCR_FUT_EVAL	1,195,385	12	14,344,620
SSCR_LTR_GEN	5,804	5	29,020
SSCR_PERF	0	0	0
SSCR_PROC_WAIV	0	0	0

Entity Name	Row Count	Average Row Length	Average Entity Size (Bytes)
SSCR_REGEN	2	35	70
SSCR_ROS_CURR_VAL	8,702,811	42	365,518,062
SSCR_RPTD_ENRL	78,458,667	27	2,118,384,009
SSCR_RQTD_RTN_SUM	51	37	1,887
SSCR_RTN_HIS	510,391	24	12,249,384
SSCR_RTN_SUM	108,669	37	4,020,753
SSCR_SCHED_DISTR	121,873	23	2,803,079
SSCR_TRSMTL_DET	230,239,379	24	5,525,745,096
SSCR_TRSMTL_HIS	482,994	17	8,210,898
SSCR_TRSMTL_INFO	27,131,357	32	868,203,424
SSCR_WAIV	71	11	781
ST_AGG	2,590	29	75,110
STU	47,676,243	35	1,668,668,505
STU_ADD	14,758,137	46	678,874,302
STU_BR	73,046,750	18	1,314,841,500
STU_BR_DESG	1,308,729	17	22,248,393
STU_BR_ERR_HIS	2,171,763	20	43,435,260
STU_BR_ID	1,539,076	29	44,633,204
STU_DEM	62,679,399	53	3,322,008,147
STU_NM	56,211,297	20	1,124,225,940
STU_SSN	47,754,334	21	1,002,841,014
STU_STAT	100,685,344	22	2,215,077,568
STU_STAT_UNRESLV	85,852,548	18	1,545,345,864
SUBST_EFF_RNG	16,315	11	179,465
SUPP_REINSUR_PMT	217,328	25	5,433,200
SUSP_HIS	16	80	1,280
SYS_REQ	22,187	27	599,049
TEXT_PARM	7	85	595
TM_ALRT_RUN_HIS	111,108	20	2,222,160
TM_EVT	492,397	25	12,309,925
TM_INFRM_RUN_ERR	1,801,382	59	106,281,538
TM_INFRM_RUN_HIS	492,328	30	14,769,840
TM_SCH_XFER_PROF	5,017	78	391,326
TM_STU	1,677,769	61	102,343,909
TM_STU_ALRT	313,512	107	33,545,784
TM_STU_ALRT_LOAN	1,165,856	113	131,741,728
TM_STU_ALRT_NM	383,898	66	25,337,268
TM_STU_ALRT_OVRPMT	1,018	50	50,900
TM_STU_ALRT_PELL	263,733	96	25,318,368
TRAN_AUD_LOG	8,946	13	116,298
TRAN_CMT	80	29	2,320
TRAN_DET	8,499	15	127,485

Entity Name	Row Count	Average Row Length	Average Entity Size (Bytes)
TRAN_LOG	9,467,713	29	274,563,677
TRND	77	15	1,155
USER_DEST			0
USER_FUNC	109,890	5	549,450
USER_OPT	18,722	16	299,552
USER_RPT_PREF	7,991	6	47,946
VAL_TRSL_TAB	1,813	20	36,260
WEB_GP_LNK	93	8	744
WEB_LNK	91	13	1,183
WEB_LNK_SECUR	281	6	1,686
WEB_PG_GP	8	38	304
WEB_RPT_DEST	8	92	736
WEB_USER_DEST	97	22	2,134
WEB_USER_SESN	26,633	21	559,293

#### 5.4 NSLDS Entities Not Converted to NSLDS II

The table below provides a detailed listing of the NSLDS entities that will not be converted to the NSLDS II EDW.

Entity Name
ACCT_CALNDR
ACT_FUNC
ADD_SUPT
AGG_DESC_DET
AGG_ITEM
AGG_MENU
AGG_MENU_DESC
AGG_ORG
AGG_ORG_DESC
BILL_GP
ERR_THRSH
EXEC_THRSH_EXCEPT
INSUR_FEE_RT
INV_EXCEPT
MO_RES_USAGE
OPUT_DISTR
PERK_ARCH_SUM
PROV_SCHED_LOG_DET
RES
RPROF

Entity Name
SCH_ERR_NOTIF_HIS
SORT_CRIT
THRSH_USAGE
TRAN_AUD_LOG

### 5.5 NSLDS Entity and Attribute Name Changes

The names of the NSLDS entities and attributes listed in the table below will be changed during the NSLDS to NSLDS II EWD data conversion. The name changes were performed to more accurately reflect the data stored in the respective entity or attribute.

NSLDS Entity	NSLDS Attribute	NSLDS II EDW Entity Name	NSLDS II EDW Attribute Name
FS_SBMTL_RUN_ERR	FFEL_DUP_ID	FS_SBMTL_RUN_ERR	IND_SEP_LOAN
GA_SBMTL_RUN_ERR	FFEL_DUP_ID	GA_SBMTL_RUN_ERR	IND_SEP_LOAN
LOAN	FFEL_DUP_ID	LOAN	IND_SEP_LOAN
LOAN_RPMT_PLAN	DT_ENTR_RPMT	LOAN_RPMT_PLAN	DT_ENTR_RPMT_PLN
STU_DEM	CALNDR_YR	STU_DEM	AWARD YR
SCH_BR_SVR		PERK_SVR	
LEN_BR_HOL	LEN_BR_CODE	LEN_HOL	
LEN_BR_HOL_SVR		LEN_HOL_SVR	
LEN_BR_SVR	LEN_BR_CODE	LEN_SVR	
STU_BR_ID		STU_DESIG	
SCH_SBMTL_RUN_ERR		PERK_SBMTL_RUN_ERR	
SCH_SBMTL_HIS		PERK_SBMTL_HIS	

## 5.6 NSLDS to NSLDS II EDW Mapping

The mapping table provides a detailed listing of all database entities that will be converted from the legacy NSLDS to the NSLDS II EDW and their attributes, including the following information for each entity:

- Entity Name
- Attribute Name
- Data Type (Text, Numeric, Date, Timestamp)
- Field Length
- Indicator(s) of Pre-Established Indexes

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
AGG_DESC					AGG_DESC	DT_TM_STAMP	T	10	
	AGGR_NM	C	60			AGGR_NM	C	60	
	FREQ	C	30			FREQ	C	30	
	ID	N	2	1		ID	N	2	1
AGG_DESC_ITEM					AGG_DESC_ITEM	DT_TM_STAMP	T	10	
	DESC_DET_ID	N	2	4		DESC_DET_ID	N	2	4
	DESC_ID	N	2	1		DESC_ID	N	2	1
	DSPL_ORD	N	2			DSPL_ORD	N	2	
	ITEM_NM	C	30	2		ITEM_NM	C	30	2
	SYS_CR_DT	D	8	5		SYS_CR_DT	D	8	5
	VAL	C	15	3		VAL	C	15	3
AGG_DESCN					AGG_DESCN	DT_TM_STAMP	T	10	
	DESC_ID	N	2	1		DESC_ID	N	2	1
	DESCN_LINE	C	60			DESCN_LINE	C	60	
	ID	N	2	2		ID	N	2	2
AGG_ORG					AGG_ORG	DT_TM_STAMP	T	10	
	NM	C	20	1		NM	C	20	1

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	TYPE	C	2			TYPE	C	2	
AGG_PURP					AGG_PURP	DT_TM_STAMP	T	10	
	DESC_ID	N	2	1		DESC_ID	N	2	1
	DESCN_LINE	C	60			DESCN_LINE	C	60	
	ID	N	2	2		ID	N	2	2
AID_OVRPMT					AID_OVRPMT	DT_TM_STAMP	T	10	
	AID_TYPE	C	2	5		AID_TYPE	C	2	5
	DIS_DT	D	8	6		DIS_DT	D	8	6
	INACT_IND	C	1			INACT_IND	C	1	
	OVRPMT_IND	C	1			OVRPMT_IND	C	1	
	REG_CODE	C	2			REG_CODE	C	2	
	RPMT_DT	D	8			RPMT_DT	D	8	
	SCH_BR_CODE	C	2	4		SCH_BR_CODE	C	2	4
	SCH_CODE	C	6	3		SCH_CODE	C	6	3
	SRC	C	3			SRC	C	3	
	STU_NO	N	9	1		STU_NO	N	9	1
	STU_SEQ_NO	N	4	2		STU_SEQ_NO	N	4	2
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
	UPDT_DT	D	8			UPDT_DT	D	8	
	UPDT_USER_ID	C	8			UPDT_USER_ID	C	8	
AID_OVRPMT_DEL_LOG					AID_OVRPMT_DEL_LOG	DT_TM_STAMP	T	10	
	AID_TYPE	C	2	0		AID_TYPE	C	2	0
	CURR_FST	C	12	0		CURR_FST	C	12	0
	CURR_SSN	C	9	0		CURR_SSN	C	9	0
	DIS_DT	D	4	0		DIS_DT	D	4	0
	DOB	D	4	0		DOB	D	4	0
	OVRPMT_IND	C	1	0		OVRPMT_IND	C	1	0
	REG_CODE	C	2	0		REG_CODE	C	2	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	RPM_T_DT	D	4	0		RPM_T_DT	D	4	0
	SRC	C	3	0		SRC	C	3	0
	STU_DEL	C	1	0		STU_DEL	C	1	0
	TRAN_LOG_TRAN_CODE	C	4	1		TRAN_LOG_TRAN_CODE	C	4	1
	TRAN_LOG_TSTAMP	T	10	2		TRAN_LOG_TSTAMP	T	10	2
	UPDT_USER_ID	C	8	0		UPDT_USER_ID	C	8	0
ALIAS					ALIAS	DT_TM_STAMP	T	10	
	ALIAS_ID	N	4	0		ALIAS_ID	N	4	0
	ID	N	4	1		ID	N	4	1
	NM	C	12	0		NM	C	12	0
	PRI_IND	C	1	0		PRI_IND	C	1	0
ANTIC_COMPL					ANTIC_COMPL	DT_TM_STAMP	T	10	
	BEG_TSTAMP	T	10	5		BEG_TSTAMP	T	10	5
	DT	D	8			DT	D	8	
	END_TSTAMP	T	10			END_TSTAMP	T	10	
	SCH_BR_CODE	C	2	4		SCH_BR_CODE	C	2	4
	SCH_CODE	C	6	3		SCH_CODE	C	6	3
	SRC_BR_CODE	C	2	8		SRC_BR_CODE	C	2	8
	SRC_CODE	C	6	7		SRC_CODE	C	6	7
	SRC_TYPE		6			SRC_TYPE		6	
	STU_NO	N	9	1		STU_NO	N	9	1
	STU_SEQ_NO	N	2	2		STU_SEQ_NO	N	2	2
ALT_ADD					ALT_ADD	DT_TM_STAMP	T	10	
	HIS_RUN_TSTAMP	T	10	1		HIS_RUN_TSTAMP	T	10	1
	SYS_REQ_SYS_CR_DT	D	4	2		SYS_REQ_SYS_CR_DT	D	4	2
	STR_ADD	C	50			STR_ADD	C	50	
	CITY	C	20			CITY	C	20	
	ST	C	2			ST	C	2	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	ZIP_CODE	C	9			ZIP_CODE	C	9	
	CNTRY	C	20			CNTRY	C	20	
APPEAL_REQ					APPEAL_REQ	DT_TM_STAMP	T	10	
	HIS_RUN_TSTAMP	T	10	1		HIS_RUN_TSTAMP	T	10	1
	SYS_REQ_SYS_CR_DT	D	4	2		SYS_REQ_SYS_CR_DT	D	4	2
	RERUN_FLAG	C	1			RERUN_FLAG	C	1	
	FFEL_NUM	N	4			FFEL_NUM	N	4	
	FFEL_DENOM	N	4			FFEL_DENOM	N	4	
	FDSLP_NUM	N	4			FDSLP_NUM	N	4	
	FDSLP_DENOM	N	4			FDSLP_DENOM	N	4	
	DUAL_NUM	N	4			DUAL_NUM	N	4	
	DUAL_DENOM	N	4			DUAL_DENOM	N	4	
	ICR_CNT	N	4			ICR_CNT	N	4	
ATTR					ATTR	DT_TM_STAMP	T	10	
	ENT_NM	C	32	1		ENT_NM	C	32	1
	NM	C	32	2		NM	C	32	2
BAT_LCK					BAT_LCK	DT_TM_STAMP	T	10	
	BAT_HIT_CNT	N	2	0		BAT_HIT_CNT	N	2	0
	BEG_DT	D	4	0		BEG_DT	D	4	0
	END_DT	D	4	0		END_DT	D	4	0
	ID_STU_SEQ_NO	N	2	2		ID_STU_SEQ_NO	N	2	2
	LCK_SRC	C	8	0		LCK_SRC	C	8	0
	LOAN_NO	N	4	1		LOAN_NO	N	4	1
	LOAN_SEQ_NO	N	2	3		LOAN_SEQ_NO	N	2	3
	LST_BAT_DT	D	4	0		LST_BAT_DT	D	4	0
	NSLDS_USER_ID	C	8	0		NSLDS_USER_ID	C	8	0
CERT					CERT	DT_TM_STAMP	T	10	
	BEG_TSTAMP	T	10	5		BEG_TSTAMP	T	10	5

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	DT	D	8			DT	D	8	
	END_TSTAMP	T	10			END_TSTAMP	T	10	
	METHOD	C	1			METHOD	C	1	
	SCH_BR_CODE	C	2	4		SCH_BR_CODE	C	2	4
	SCH_CODE	C	6	3		SCH_CODE	C	6	3
	STU_NO	N	9	1		STU_NO	N	9	1
	STU_SEQ_NO	N	2	2		STU_SEQ_NO	N	2	2
CKPT_RSTART					CKPT_RSTART	DT_TM_STAMP	T	10	
	CHAR_SA_1	C	250	0		CHAR_SA_1	C	250	0
	CHAR_SA_2	C	250	0		CHAR_SA_2	C	250	0
	CHAR_SA_3	C	250	0		CHAR_SA_3	C	250	0
	CHAR_SA_4	C	250	0		CHAR_SA_4	C	250	0
	CHAR_SA_5	C	250	0		CHAR_SA_5	C	250	0
	CHAR_SA_6	C	250	0		CHAR_SA_6	C	250	0
	CNTR_1	N	4	0		CNTR_1	N	4	0
	CNTR_2	N	4	0		CNTR_2	N	4	0
	CNTR_3	N	4	0		CNTR_3	N	4	0
	CNTR_4	N	4	0		CNTR_4	N	4	0
	CNTR_5	N	4	0		CNTR_5	N	4	0
	CNTR_6	N	4	0		CNTR_6	N	4	0
	IX_SUBPG_FILL	C	98	2		IX_SUBPG_FILL	C	98	2
	JOB_NM	C	8	1		JOB_NM	C	8	1
	PROC_FLAG	C	1	0		PROC_FLAG	C	1	0
	START_DT	D	4	0		START_DT	D	4	0
	VARCHAR_SA	C	2410	0		VARCHAR_SA	C	2410	0
COL_SECUR					COL_SECUR	DT_TM_STAMP	T	10	
	FUNC_GP_SYS_TSTAMP	T	10	1		FUNC_GP_SYS_TSTAMP	T	10	1
	ATTR_NM	C	32	2		ATTR_NM	C	32	2

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	ENT_NM	C	32	3		ENT_NM	C	32	3
	FUT	C	1			FUT	C	1	
CMD					CMD	DT_TM_STAMP	T	10	
	CMD	C	20	2		CMD	C	20	2
	TRAN	C	8	1		TRAN	C	8	1
CMD_SECUR					CMD_SECUR	DT_TM_STAMP	T	10	
	CMD	C	20	3		CMD	C	20	3
	CMD_TRAN	C	8	2		CMD_TRAN	C	8	2
	FUNC_GP_SYS_TSTAMP	T	10	1		FUNC_GP_SYS_TSTAMP	T	10	1
	FUT	C	1	0		FUT	C	1	0
COLL					COLL	DT_TM_STAMP	T	10	
	CUM_INT_AMT	N	6			CUM_INT_AMT	N	6	
	CUM_PRIN_AMT	N	6			CUM_PRIN_AMT	N	6	
	DT	D	8	7		DT	D	8	7
	GA_CODE	C	3	5		GA_CODE	C	3	5
	GA_RESP_BEG_DT	D	8	6		GA_RESP_BEG_DT	D	8	6
	ID_STU_SEQ_NO	N	4	2		ID_STU_SEQ_NO	N	4	2
	INT_AMT_DIFF	N	6			INT_AMT_DIFF	N	6	
	LOAN_GUA_SEQ_NO	N	2	4		LOAN_GUA_SEQ_NO	N	2	4
	LOAN_NO	N	9	1		LOAN_NO	N	9	1
	LOAN_SEQ_NO	N	4	3		LOAN_SEQ_NO	N	4	3
	PRIN_AMT_DIFF	N	6			PRIN_AMT_DIFF	N	6	
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
CON_TYPE		C	20	0	CON_TYPE	DT_TM_STAMP	T	10	
	TYPE	N	6			TYPE	C	2	1
	TYPE_DESCN	D	8			TYPE_DESCN	C	20	0
DEF_RT_CAL_REQ					DEF_RT_CAL_REQ	DT_TM_STAMP	T	10	
	SYS_CR_TSTAMP	T	10			SYS_CR_TSTAMP	T	10	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	AUTH_ID	C	8			AUTH_ID	C	8	
	ORIG_REQR_LST_NM	C	35			ORIG_REQR_LST_NM	C	35	
	ORIG_DT	D	4			ORIG_DT	D	4	
	CAL_RSN	C	60			CAL_RSN	C	60	
	ST_CODE	C	2			ST_CODE	C	2	
	REQ_TYPE	C	1			REQ_TYPE	C	1	
	GA_OFFC_RT_IMP	C	1			GA_OFFC_RT_IMP	C	1	
	SCH_OFFC_RT_IMP	C	1			SCH_OFFC_RT_IMP	C	1	
	LEN_OFFC_RT_IMP	C	1			LEN_OFFC_RT_IMP	C	1	
	ST_OFFC_RT_IMP	C	1			ST_OFFC_RT_IMP	C	1	
	NATL_OFFC_RT_IMP	C	1			NATL_OFFC_RT_IMP	C	1	
	ORIG_REQR_FST_NM	C	12			ORIG_REQR_FST_NM	C	12	
	VIEW_DT	D	4			VIEW_DT	D	4	
DEF_RT_HIS				1	DEF_RT_HIS	DT_TM_STAMP	T	10	
	RUN_TSTAMP	T	10			RUN_TSTAMP	T	10	1
	RT_TYPE	C	1			RT_TYPE	C	1	
	CAL_REQ_SYS_TSTAMP	T	10			CAL_REQ_SYS_TSTAMP	T	10	
	ORG_SYS_TSTAMP	T	10			ORG_SYS_TSTAMP	T	10	
	COH_YR	N	2			COH_YR	N	2	
	OFFC_RT_IND	C	1			OFFC_RT_IND	C	1	
	FORM_ID	T	10			FORM_ID	T	10	
	DEF_HIS_RUN_TSTAMP	C	1			DEF_HIS_RUN_TSTAMP	C	1	
	RT_SUB_TYPE	N	4			RT_SUB_TYPE	N	4	
	FFEL_NUM	N	4			FFEL_NUM	N	4	
	FFEL_DENOM	N	10			FFEL_DENOM	N	10	
	FFEL_DOL_IN_RPMT	N	10			FFEL_DOL_IN_RPMT	N	10	
	FFEL_DOL_IN_DEF	N	10			FFEL_DOL_IN_DEF	N	10	
	FFEL_TOT_CL_AMT	N	4			FFEL_TOT_CL_AMT	N	4	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	DIR_NUM	N	4			DIR_NUM	N	4	
	DIR_DENOM	N	10			DIR_DENOM	N	10	
	DIR_DOL_IN_RPMT	N	10			DIR_DOL_IN_RPMT	N	10	
	DIR_DOL_IN_DEF	N	4			DIR_DOL_IN_DEF	N	4	
	DUAL_NUM	N	4			DUAL_NUM	N	4	
	DUAL_DENOM	N	10			DUAL_DENOM	N	10	
	DUAL_DOL_IN_RPMT	N	10			DUAL_DOL_IN_RPMT	N	10	
	ICR_CNT	N	4			ICR_CNT	N	4	
DFR_TYPE				1	DFR_TYPE	DT_TM_STAMP	T	10	
	DUAL_DOL_IN_RPMT	C	2			CODE	C	2	1
	ICR_CNT	C	60			DESCN	C	60	
DFR_TYPE_USAGE					DFR_TYPE_USAGE	DT_TM_STAMP	T	10	
	LOAN_TYPE					LOAN_TYPE			
	DFR_TYPE_CODE					DFR_TYPE_CODE			
	BEG_DT	N	4	1		BEG_DT			
	END_DT	N	2	2		END_DT			
DIR_INCM_CONTG_HIS		D	8	3	DIR_INCM_CONTG_HIS	DT_TM_STAMP			
	LOAN_NO	D	8	4		LOAN_NO	N	4	1
	ID_STU_SEQ_NO	C	1			ID_STU_SEQ_NO	N	2	2
	LOAN_SEQ_NO	D	8			LOAN_SEQ_NO	D	8	3
	SYS_BEG_DT					SYS_BEG_DT	D	8	4
	DT					DT	C	1	
	VAL_IND	T	10	5		VAL_IND	D	8	
	SYS_END_DT	C	1			SYS_END_DT			
ENRL	BEG_TSTAMP	T	10		ENRL	DT_TM_STAMP			
	CODE	C	2	4		BEG_TSTAMP	T	10	
	EFF_DT	C	6	3		CODE	C	2	4
	END_TSTAMP	C	2	8		EFF_DT	C	6	3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SCH_BR_CODE	C	6	7		END_TSTAMP	C	2	8
	SCH_CODE	C	1	6		SCH_BR_CODE	C	6	7
	SRC_BR_CODE	N	9	1		SCH_CODE	C	1	6
	SRC_CODE	C	32	1		SRC_BR_CODE	N	9	1
	SRC_TYPE	N	2	2		SRC_CODE	C	32	1
	STU_NO	C	1			SRC_TYPE	N	2	2
						STU_NO	C	1	
ENT					ENT	DT_TM_STAMP			
	NM					NM	C	32	1
EXP_STU_ENRL		N	4	3	EXP_STU_ENRL	DT_TM_STAMP	T	10	
	CODE	N	9	1		CODE	C	1	
	SCH_TERM_CODE	N	4	2		SCH_TERM_CODE	C	2	4
	STU_DEM_CALNDR_YR					STU_DEM_CALNDR_YR	N	4	3
	STU_NO	C	20			STU_NO	N	9	1
	STU_SEQ_NO	C	3	1		STU_SEQ_NO	N	4	2
FDSL_P_SVR		C	40		FDSL_P_SVR	DT_TM_STAMP	T	10	
	CITY	C	12			CITY	C	20	
	CODE	C	2			CODE	C	3	1
	NM	C	50			NM	C	40	
	PH	C	9			PH	C	12	
	ST					ST	C	2	
	STR_ADD	C	3	1		STR_ADD	C	50	
	ZIP_CODE	C	2	2		ZIP_CODE	C	9	
FDSL_P_SVR_BR					FDSL_P_SVR_BR	DT_TM_STAMP	T	10	
	FDSL_P_SVR_CODE	C	1			FDSL_P_SVR_CODE	C	3	1
	CODE	C	2	5		CODE	C	2	2
FDSL_P_SVR_BR_HOL		C	3	4	FDSL_P_SVR_BR_HOL	DT_TM_STAMP	T	10	
	CLOSD_SCH_FALSE_CR	N	2	2		CLOSD_SCH_FALSE_CR	C	1	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	FDSL_P_SVR_BR_CODE	N	4	1		FDSL_P_SVR_BR_CODE	C	2	5
	FDSL_P_SVR_CODE	N	4	3		FDSL_P_SVR_CODE	C	3	4
	ID_STU_SEQ_NO	D	8	6		ID_STU_SEQ_NO	N	2	2
	LOAN_NO	D	8			LOAN_NO	N	4	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	4	3
	RESP_BEG_DT	N	6			RESP_BEG_DT	D	8	6
	RESP_END_DT	N	5			RESP_END_DT	D	8	
FINANC_PROF		N	7		FINANC_PROF	DT_TM_STAMP	T	10	
	ADJ_GRS_INCM	N	11			ADJ_GRS_INCM	N	6	
	AFDC_ADC_INCM	N	7			AFDC_ADC_INCM	N	5	
	BUS_DEBT_AMT	C	1	4		BUS_DEBT_AMT	N	7	
	BUS_NET_WORTH_AMT	N	5			BUS_NET_WORTH_AMT	N	11	
	BUS_VAL_AMT	C	1			BUS_VAL_AMT	N	7	
	CATG_CODE	N	5			CATG_CODE	C	1	4
	CHILD_SUPRT_AMT	N	2			CHILD_SUPRT_AMT	N	5	
	ELIG_1040A_EZ_CODE	N	2			ELIG_1040A_EZ_CODE	C	1	
	EXCL_INCM	N	7			EXCL_INCM	N	5	
	FAM_MEM_CNT	N	11			FAM_MEM_CNT	N	2	
	FAM_MEM_COLLG_CNT	N	7			FAM_MEM_COLLG_CNT	N	2	
	FARM_DEBT_AMT	N	6			FARM_DEBT_AMT	N	7	
	FARM_NET_WORTH_AMT	C	1			FARM_NET_WORTH_AMT	N	11	
	FARM_VAL_AMT	N	6			FARM_VAL_AMT	N	7	
	FATH_EARN_INCM	N	11			FATH_EARN_INCM	N	6	
	INCM_TAX_FORM_CODE	N	6			INCM_TAX_FORM_CODE	C	1	
	INCM_TAX_PAID	N	5			INCM_TAX_PAID	N	6	
	INV_NET_WORTH_AMT	N	7			INV_NET_WORTH_AMT	N	11	
	MOTH_EARN_INCM	N	7			MOTH_EARN_INCM	N	6	
	OTH_SRC_INCM	C	2			OTH_SRC_INCM	N	5	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	REAL_EST_DEBT_AMT	N	6			REAL_EST_DEBT_AMT	N	7	
	REAL_EST_VAL_AMT	N	5			REAL_EST_VAL_AMT	N	7	
	RES_ST	N	4	3		RES_ST	C	2	
	SPS_EARN_INCM	N	6			SPS_EARN_INCM	N	6	
	SS_BEN_INCM	N	9	1		SS_BEN_INCM	N	5	
	STU_DEM_CALNDR_YR	N	4	2		STU_DEM_CALNDR_YR	N	4	3
	STU_EARN_INCM	C	1			STU_EARN_INCM	N	6	
	STU_NO	N	6			STU_NO	N	9	1
	STU_SEQ_NO	N	11			STU_SEQ_NO	N	4	2
	TAX_FILE_STAT_CODE	N	11			TAX_FILE_STAT_CODE	C	1	
	TOT_CASH_AMT					TOT_CASH_AMT	N	6	
	WORKSHEET_A_TOT	N	2	1		WORKSHEET_A_TOT	N	11	
	WORKSHEET_B_TOT	C	1			WORKSHEET_B_TOT	N	11	
FORM		C	10		FORM	DT_TM_STAMP	T	10	
	ID	D	4			ID	N	2	1
	ORG_TYPE	N	2			ORG_TYPE	C	1	
	LOAN_TYPE_GP_CODE	N	4			LOAN_TYPE_GP_CODE	C	10	
	SYS_CR_DT	N	4			SYS_CR_DT	D	4	
	FISC_YR	N	4			FISC_YR	N	2	
	ONE_YR_DEF_THRSH					ONE_YR_DEF_THRSH	N	4	
	THREE_YR_AVG_DEF	N	2			THREE_YR_AVG_DEF	N	4	
	THREE_YR_DEF_THRSH	C	30			THREE_YR_DEF_THRSH	N	4	
FORM_INSUR_CL_CODE		C	10		FORM_INSUR_CL_CODE	DT_TM_STAMP	T	10	
	FORM_ID	D	4			FORM_ID	N	2	
	VAL_TRSL_LKUP_NM					VAL_TRSL_LKUP_NM	C	30	
	VAL_TRSL_LKUP_ID	C	2	1		VAL_TRSL_LKUP_ID	C	10	
	SYS_CR_DT	N	2	2		SYS_CR_DT	D	4	
FORM_LOAN_TYPE		D	4	3	FORM_LOAN_TYPE	DT_TM_STAMP	T	10	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	LOAN_TYPE					LOAN_TYPE	C	2	1
	FORM_ID	N	2	1		FORM_ID	N	2	2
	SYS_CR_DT	N	4	2		SYS_CR_DT	D	4	3
FORM_PARM		C	4		FORM_PARM	DT_TM_STAMP	T	10	
	FORM_ID	C	40			FORM_ID	N	2	1
	SEQ_NO	C	10			SEQ_NO	N	4	2
	TYPE	C	10			TYPE	C	4	
	NM					NM	C	40	
	FROM_RNG	C	30			FROM_RNG	C	10	
	TO_RNG	C	10			TO_RNG	C	10	
FORM_RT_TYPE_CNT		N	2		FORM_RT_TYPE_CNT	DT_TM_STAMP	T	10	
	VAL_TRSL_LKUP_NM	D	4			VAL_TRSL_LKUP_NM	C	30	
	VAL_TRSL_LKUP_ID	N	2			VAL_TRSL_LKUP_ID	C	10	
	FORM_ID					FORM_ID	N	2	
	SYS_CR_DT	D	8			SYS_CR_DT	D	4	
	RETEN_CNT	D	8			RETEN_CNT	N	2	
FS_SBMTL_HIS		N	5	2	FS_SBMTL_HIS	DT_TM_STAMP	T	10	
	ACT_SBMTL_DT	N	9			ACT_SBMTL_DT	D	8	
	ALL_ERR_RESLV_DT	N	9			ALL_ERR_RESLV_DT	D	8	
	CODE	N	4			CODE	N	5	2
	CUM_ERR_CNT	N	5			CUM_ERR_CNT	N	9	
	CUM_RUN_TOT	N	2			CUM_RUN_TOT	N	9	
	DAY_LT	C	1			DAY_LT	N	4	
	ERR_RT	D	8			ERR_RT	N	5	
	FREQ_IND	T	8			FREQ_IND	N	2	
	INIT_IND	N	9			INIT_IND	C	1	
	JOB_COMPL_DT	N	9			JOB_COMPL_DT	D	8	
	JOB_COMPL_TM	N	9			JOB_COMPL_TM	T	8	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	LVL_ONE_ERR_TOT	D	8			LVL_ONE_ERR_TOT	N	9	
	LVL_THREE_ERR_TOT	D	8	1		LVL_THREE_ERR_TOT	N	9	
	LVL_TWO_ERR_TOT	C	1			LVL_TWO_ERR_TOT	N	9	
	RECD_DT	N	9			RECD_DT	D	8	
	SCHED_SBMTL_DT					SCHED_SBMTL_DT	D	8	1
	STAT	D	8	3		STAT	C	1	
	TOT_RCD_PROC	N	4	12		TOT_RCD_PROC	N	9	
FS_SBMTL_RUN_ERR		C	1		FS_SBMTL_RUN_ERR	DT_TM_STAMP	T	10	
	DOB	C	1	7		DOB	D	8	3
	ERR_CODE	N	3	11		ERR_CODE	N	4	12
	ERR_SRC_IND	D	8	6		ERR_SRC_IND	C	1	
	FFEL_DUP_ID	C	9	9		IND_SEP_LOAN	C	1	7
	FLD_IN_ERR_CODE	C	1	10		FLD_IN_ERR_CODE	N	3	11
	LOAN_DT	N	3	1		LOAN_DT	D	8	6
	PLUS_BOR_SSN	D	8	13		PLUS_BOR_SSN	C	9	9
	RCD_TYPE_IND	N	8	8		RCD_TYPE_IND	C	1	10
	SBMTL_HIS_CODE	C	1			SBMTL_HIS_CODE	N	3	1
	SBMTL_HIS_SBMTL_DT	C	12	4		SBMTL_HIS_SBMTL_DT	D	8	13
	SCH_CODE	C	9	2		SCH_CODE	N	8	8
	STAT	C	4	5		STAT	C	1	
	STU_FST					STU_FST	C	12	4
	STU_SSN	C	6			STU_SSN	C	9	2
	TYPE	C	20			TYPE	C	4	5
FUNC_GP					FUNC_GP	DT_TM_STAMP	T	10	
	NM	C	8	0		NM	C	8	0
	SYS_CR_TSTAMP	T	10	1		SYS_CR_TSTAMP	T	10	1
GA		C	3	1	GA	DT_TM_STAMP	T	10	
	ACT_CODE	C	40			ACT_CODE	C	6	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	CITY	C	12			CITY	C	20	
	CODE	C	2			CODE	C	3	1
	NM	C	50			NM	C	40	
	NM_ABBR	C	9			NM_ABBR	C	12	
	ST					ST	C	2	
	STR_ADD	N	4	3		STR_ADD	C	50	
	ZIP_CODE	N	4	2		ZIP_CODE	C	9	
GA_AGG		N	9		GA_AGG	DT_TM_STAMP	T	10	
	DESC_DET_ID	C	3	1		DESC_DET_ID	N	4	3
	DESC_ID	N	9			DESC_ID	N	4	2
	DOL_VOL	D	8	4		DOL_VOL	N	9	
	GA_CODE	D	8	5		GA_CODE	C	3	1
	LOAN_VOL	D	8			LOAN_VOL	N	9	
	RPT_BEG_DT					RPT_BEG_DT	D	8	4
	RPT_END_DT	N	4			RPT_END_DT	D	8	5
	SYS_CR_DT	C	1			SYS_CR_DT	D	8	
GA_ERR_NOTIF_HIS		C	1		GA_ERR_NOTIF_HIS	DT_TM_STAMP	T	10	
	ID	D	4			ID	N	4	
	LTR_TYPE	D	4			LTR_TYPE	C	1	
	FST_LTR_SENT_IND	C	1			FST_LTR_SENT_IND	C	1	
	FST_LTR_SENT_DT	D	4			FST_LTR_SENT_DT	D	4	
	FST_LTR_SBMTL_DT	D	4			FST_LTR_SBMTL_DT	D	4	
	SEC_LTR_SENT_IND	C	1			SEC_LTR_SENT_IND	C	1	
	SEC_LTR_SENT_DT	D	4			SEC_LTR_SENT_DT	D	4	
	SEC_LTR_SBMTL_DT	D	4			SEC_LTR_SBMTL_DT	D	4	
	THIRD_LTR_SENT_IN					THIRD_LTR_SENT_IN	C	1	
	THIRD_LTR_SENT_DT	D	8			THIRD_LTR_SENT_DT	D	4	
	THIRD_LTR_SBMTL_DT	D	8			THIRD_LTR_SBMTL_DT	D	4	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
GA_SBMTL_HIS		N	3	2	GA_SBMTL_HIS	DT_TM_STAMP	T	10	
	ACT_SBMTL_DT	N	9			ACT_SBMTL_DT	D	8	
	ALL_ERR_RESLV_DT	N	9			ALL_ERR_RESLV_DT	D	8	
	CODE	N	4			CODE	N	3	2
	CUM_ERR_CNT	N	5			CUM_ERR_CNT	N	9	
	CUM_RUN_TOT	N	2			CUM_RUN_TOT	N	9	
	DAY_LT	C	1			DAY_LT	N	4	
	ERR_RT	D	8			ERR_RT	N	5	
	FREQ_IND	T	8			FREQ_IND	N	2	
	INIT_IND	N	9			INIT_IND	C	1	
	JOB_COMPL_DT	N	9			JOB_COMPL_DT	D	8	
	JOB_COMPL_TM	N	9			JOB_COMPL_TM	T	8	
	LVL_ONE_ERR_TOT	N	9			LVL_ONE_ERR_TOT	N	9	
	LVL_THREE_ERR_TOT	D	8			LVL_THREE_ERR_TOT	N	9	
	LVL_TWO_ERR_TOT	D	8	1		LVL_TWO_ERR_TOT	N	9	
	NOTIF_HIS_ID	C	1			NOTIF_HIS_ID	N	9	
	RECD_DT	N	9			RECD_DT	D	8	
	SCHED_SBMTL_DT					SCHED_SBMTL_DT	D	8	1
	STAT	D	8	3		STAT	C	1	
	TOT_RCD_PROC	N	4	12		TOT_RCD_PROC	N	9	
GA_SBMTL_RUN_ERR		C	1		GA_SBMTL_RUN_ERR	DT_TM_STAMP	T	10	
	DOB	C	1	7		DOB	D	8	3
	ERR_CODE	N	3	11		ERR_CODE	N	4	12
	ERR_SRC_IND	D	8	6		ERR_SRC_IND	C	1	
	FFEL_DUP_ID	C	9	9		IND_SEP_LOAN	C	1	7
	FLD_IN_ERR_CODE	C	1	10		FLD_IN_ERR_CODE	N	3	11
	GUA_DT	D	8			GUA_DT	D	8	6
	PLUS_BOR_SSN	N	3	1		PLUS_BOR_SSN	C	9	9

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	RCD_TYPE_IND	D	8	13		RCD_TYPE_IND	C	1	10
	RESLT_DT	N	8	8		RESLT_DT	D	8	
	SBMTL_HIS_CODE	C	1			SBMTL_HIS_CODE	N	3	1
	SBMTL_HIS_SBMTL_DT	C	12	4		SBMTL_HIS_SBMTL_DT	D	8	13
	SCH_CODE	C	9	2		SCH_CODE	N	8	8
	STAT	C	4	5		STAT	C	1	
	STU_FST					STU_FST	C	12	4
	STU_SSN	N	2	3		STU_SSN	C	9	2
	TYPE	N	2	2		TYPE	C	4	5
GA_SUM		N	15		GA_SUM	DT_TM_STAMP	T	10	
	AGG_DESC_DET_ID	C	1			AGG_DESC_DET_ID	N	2	3
	AGG_DESC_ID	C	3	1		AGG_DESC_ID	N	2	2
	AMT	N	4			AMT	N	15	
	CMPT_TYPE	C	1			CMPT_TYPE	C	1	
	GA_CODE	D	8	4		GA_CODE	C	3	1
	NO	D	8	5		NO	N	4	
	OFFC_RUN_IND	C	8	8		OFFC_RUN_IND	C	1	
	RPT_BEG_DT	D	8	6		RPT_BEG_DT	D	8	4
	RPT_END_DT	T	3	7		RPT_END_DT	D	8	5
	SRC					SRC	C	8	8
	SYS_CR_DT	N	6			SYS_CR_DT	D	8	6
	SYS_CR_TM	N	6			SYS_CR_TM	T	3	7
INSUR_CL_PMT		D	8		INSUR_CL_PMT	DT_TM_STAMP	T	10	
	AMT_DIFF	N	4	2		AMT_DIFF	N	6	
	CUM_AMT	C	4	5		CUM_AMT	N	6	
	DT	C	6	4		DT	D	8	
	ID_STU_SEQ_NO	N	2	7		ID_STU_SEQ_NO	N	4	2
	LEN_BR_CODE	D	8	6		LEN_BR_CODE	C	4	5

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	LEN_CODE	N	9	1		LEN_CODE	C	6	4
	LEN_HOL_SEQ_NO	N	4	3		LEN_HOL_SEQ_NO	N	2	7
	LEN_HOL_SYS_CR_DT	C	2			LEN_HOL_SYS_CR_DT	D	8	6
	LOAN_NO	N	2	9		LOAN_NO	N	9	1
	LOAN_SEQ_NO	D	8	8		LOAN_SEQ_NO	N	4	3
	RSN_CODE	C	1			RSN_CODE	C	2	
	SEQ_NO					SEQ_NO	N	2	9
	SYS_CR_DT	N	6			SYS_CR_DT	D	8	8
	VAL_IND	N	6			VAL_IND	C	1	
INSUR_CL_RFD		D	8	8	INSUR_CL_RFD	DT_TM_STAMP	T	10	
	AMT_DIFF	N	4	2		AMT_DIFF	N	6	
	CUM_AMT	C	4	5		CUM_AMT	N	6	
	DT	C	6	4		DT	D	8	8
	ID_STU_SEQ_NO	N	2	7		ID_STU_SEQ_NO	N	4	2
	LEN_BR_CODE	D	8	6		LEN_BR_CODE	C	4	5
	LEN_CODE	N	9	1		LEN_CODE	C	6	4
	LEN_HOL_SEQ_NO	N	4	3		LEN_HOL_SEQ_NO	N	2	7
	LEN_HOL_SYS_CR_DT	D	8			LEN_HOL_SYS_CR_DT	D	8	6
	LOAN_NO					LOAN_NO	N	9	1
	LOAN_SEQ_NO	N	6			LOAN_SEQ_NO	N	4	3
	SYS_CR_DT	N	6			SYS_CR_DT	D	8	
IRS_OFF		C	3	5	IRS_OFF	DT_TM_STAMP	T	10	
	CUM_INT_COLL_AMT	D	8	6		CUM_INT_COLL_AMT	N	6	
	CUM_PRIN_COLL_AMT	N	4	2		CUM_PRIN_COLL_AMT	N	6	
	GA_CODE	N	6			GA_CODE	C	3	5
	GA_RESP_BEG_DT	D	8			GA_RESP_BEG_DT	D	8	6
	ID_STU_SEQ_NO	N	2	4		ID_STU_SEQ_NO	N	4	2
	INT_COLL_DIFF	N	9	1		INT_COLL_DIFF	N	6	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	INT_COLL_DT	N	4	3		INT_COLL_DT	D	8	
	LOAN_GUA_SEQ_NO	N	6			LOAN_GUA_SEQ_NO	N	2	4
	LOAN_NO	D	8			LOAN_NO	N	9	1
	LOAN_SEQ_NO	N	2	7		LOAN_SEQ_NO	N	4	3
	PRIN_COLL_DIFF	D	8	8		PRIN_COLL_DIFF	N	6	
	PRIN_COLL_DT					PRIN_COLL_DT	D	8	
	SEQ_NO	C	20			SEQ_NO	N	2	7
	SYS_CR_DT	C	6	1		SYS_CR_DT	D	8	8
LEN		C	40		LEN	DT_TM_STAMP	T	10	
	CITY	C	10			CITY	C	20	
	CODE	C	2			CODE	C	6	1
	NM	C	50			NM	C	40	
	PH_NO	C	1			PH_NO	C	10	
	ST	C	9			ST	C	2	
	STR_ADD					STR_ADD	C	50	
	TYPE	C	4	2		TYPE	C	1	
	ZIP_CODE	C	6	1		ZIP_CODE	C	9	
LEN_BR		C	40		LEN_BR	DT_TM_STAMP	T	10	
	CODE					CODE	C	4	2
	LEN_CODE	N	4	4		LEN_CODE	C	6	1
	LEN_NM	N	4	3		LEN_NM	C	40	
LEN_BR_AGG		N	9		LEN_BR_AGG	DT_TM_STAMP	T	10	
	DESC_DET_ID	C	4	2		DESC_DET_ID	N	4	4
	DESC_ID	C	6	1		DESC_ID	N	4	3
	DOL_VOL	N	9			DOL_VOL	N	9	
	LEN_BR_CODE	D	8	5		LEN_BR_CODE	C	4	2
	LEN_CODE	D	8	6		LEN_CODE	C	6	1
	LOAN_VOL	D	8			LOAN_VOL	N	9	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	RPT_BEG_DT					RPT_BEG_DT	D	8	5
	RPT_END_DT	N	4	2		RPT_END_DT	D	8	6
	SYS_CR_DT	C	4	5		SYS_CR_DT	D	8	
LEN_BR_HOL		C	6	4	LEN_L	DT_TM_STAMP	T	10	
	ID_STU_SEQ_NO	N	9	1		ID_STU_SEQ_NO	N	4	2
	LEN_BR_CODE	N	4	3		LEN_BR_CODE	C	4	5
	LEN_CODE	C	40			LEN_CODE	C	6	4
	LOAN_NO	C	1			LOAN_NO	N	9	1
	LOAN_SEQ_NO	C	1			LOAN_SEQ_NO	N	4	3
	NM	D	8			NM	C	40	
	ORIG_FEE_PAY_IND	D	8			ORIG_FEE_PAY_IND	C	1	
	ORIG_LEN_IND	N	2	7		ORIG_LEN_IND	C	1	
	RESP_BEG_DT	D	8	6		RESP_BEG_DT	D	8	
	RESP_END_DT	C	1			RESP_END_DT	D	8	
	SEQ_NO					SEQ_NO	N	2	7
	SYS_CR_DT	N	4	2		SYS_CR_DT	D	8	6
	VAL_IND	C	4	5		VAL_IND	C	1	
LEN_BR_HOL_SVR		C	6	4	LEN_HOL_SVR	DT_TM_STAMP	T	10	
	ID_STU_SEQ_NO	N	2	7		ID_STU_SEQ_NO	N	4	2
	LEN_BR_CODE	D	8	6		LEN_BR_CODE	C	4	5
	LEN_CODE	N	9	1		LEN_CODE	C	6	4
	LEN_HOL_SEQ_NO	N	4	3		LEN_HOL_SEQ_NO	N	2	7
	LEN_HOL_SYS_CR_DT	D	8	8		LEN_HOL_SYS_CR_DT	D	8	6
	LOAN_NO	D	8			LOAN_NO	N	9	1
	LOAN_SEQ_NO	C	6	9		LOAN_SEQ_NO	N	4	3
	RESP_BEG_DT					RESP_BEG_DT	D	8	8
	RESP_END_DT	C	20			RESP_END_DT	D	8	
	SVR_CODE	C	6	1		SVR_CODE	C	6	9

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
LEN_BR_SVR		C	40		LEN_SVR	DT_TM_STAMP	T	10	
	CITY	C	12			CITY	C	20	
	CODE	C	2			CODE	C	6	1
	NM	C	50			NM	C	40	
	PH_NO	D	8			PH_NO	C	12	
	ST	C	9			ST	C	2	
	STR_ADD					STR_ADD	C	50	
	SYS_CR_DT	N	4	3		SYS_CR_DT	D	8	
	ZIP_CODE	N	4	2		ZIP_CODE	C	9	
LEN_BR_SVR_AGG		N	9		LEN_BR_SVR_AGG	DT_TM_STAMP	T	10	
	DESC_DET_ID	N	9			DESC_DET_ID	N	4	3
	DESC_ID	D	8	4		DESC_ID	N	4	2
	DOL_VOL	D	8	5		DOL_VOL	N	9	
	LOAN_VOL	C	6	1		LOAN_VOL	N	9	
	RPT_BEG_DT	D	8			RPT_BEG_DT	D	8	4
	RPT_END_DT					RPT_END_DT	D	8	5
	SVR_CODE	C	4	3		SVR_CODE	C	6	1
	SYS_CR_DT	C	6	4		SYS_CR_DT	D	8	
LEN_BR_TRAN_HIS		C	4	1	LEN_BR_TRAN_HIS	DT_TM_STAMP	T	10	
	NEW_LEN_BR_CODE	C	6	2		NEW_LEN_BR_CODE	C	4	3
	NEW_LEN_CODE	D	8	5		NEW_LEN_CODE	C	6	4
	OLD_LEN_BR_CODE					OLD_LEN_BR_CODE	C	4	1
	OLD_LEN_CODE	N	4	1		OLD_LEN_CODE	C	6	2
	SYS_CR_DT	N	2	2		SYS_CR_DT	D	8	5
LEN_LST_RST_HIS		N	2	3	LEN_LST_RST_HIS	DT_TM_STAMP	T	10	
	LOAN_NO	D	4	4		LOAN_NO	N	4	1
	ID_STU_SEQ_NO	N	2	5		ID_STU_SEQ_NO	N	2	2
	LOAN_SEQ_NO	C	1			LOAN_SEQ_NO	N	2	3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SYS_CR_DT					SYS_CR_DT	D	4	4
	SEQ_NO	T	10	1		SEQ_NO	N	2	5
	LEN_LST_RST_IND	C	2	2		LEN_LST_RST_IND	C	1	
LMT		N	2		LMT	DT_TM_STAMP	T	10	
	SSCR_EVT_TSTAMP	N	2			SSCR_EVT_TSTAMP	T	10	1
	TYPE	N	2			TYPE	C	2	2
	LMT_1	N	2			LMT_1	N	2	
	LMT_2	N	2			LMT_2	N	2	
	LMT_3	T	10			LMT_3	N	2	
	LMT_4					LMT_4	N	2	
	LMT_5	C	1			LMT_5	N	2	
	END_EVT_TSTAMP	N	6			END_EVT_TSTAMP	T	10	
LOAN		D	8		LOAN	DT_TM_STAMP	T	10	
	ACAD_LVL	D	8			ACAD_LVL	C	1	
	AMT	D	8			AMT	N	6	
	CURR_CAN_DT	C	2			CURR_CAN_DT	D	8	
	CURR_DFR_START_DT	D	8			CURR_DFR_START_DT	D	8	
	CURR_DFR_STOP_DT	C	3			CURR_DFR_STOP_DT	D	8	
	CURR_DFR_TYPE	C	6			CURR_DFR_TYPE	C	2	
	CURR_DIS_DT	C	6			CURR_DIS_DT	D	8	
	CURR_GA_CODE	C	2			CURR_GA_CODE	C	3	
	CURR_LEN_CODE	D	8			CURR_LEN_CODE	C	6	
	CURR_LEN_SVR_CODE	D	8			CURR_LEN_SVR_CODE	C	6	
	CURR_LOAN_STAT	D	8			CURR_LOAN_STAT	C	2	
	CURR_LOAN_STAT_DT	C	2			CURR_LOAN_STAT_DT	D	8	
	CURR_MAT_DT	C	8			CURR_MAT_DT	D	8	
	DT	C	1			DT	D	8	
	ED_FFEL_REG_CODE	N	4	2		ED_FFEL_REG_CODE	C	2	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	FDSL_P_ORIG_SVR	N	5			FDSL_P_ORIG_SVR	C	8	
	FFEL_DUP_ID	C	1			IND_SEP_LOAN	C	1	
	ID_STU_SEQ_NO	C	1			ID_STU_SEQ_NO	N	4	2
	INT_RT	C	2			INT_RT	N	5	
	INT_RT_CODE	N	9	1		INT_RT_CODE	C	1	
	LEN_OF_LST_RST_IND	C	6			LEN_OF_LST_RST_IND	C	1	
	LOAN_TYPE	C	4			LOAN_TYPE	C	2	
	NO	C	6			NO	N	9	1
	ORIG_CNSTM_CODE	C	1			ORIG_CNSTM_CODE	C	6	
	ORIG_LEN_BR_CODE	N	6			ORIG_LEN_BR_CODE	C	4	
	ORIG_LEN_CODE	D	8			ORIG_LEN_CODE	C	6	
	ORIGN_METHOD	N	6			ORIGN_METHOD	C	1	
	OUT_INT_BAL	D	8			OUT_INT_BAL	N	6	
	OUT_INT_BAL_DT	D	8			OUT_INT_BAL_DT	D	8	
	OUT_PRIN_BAL	D	8			OUT_PRIN_BAL	N	6	
	OUT_PRIN_BAL_DT	C	1			OUT_PRIN_BAL_DT	D	8	
	PER_BEG_DT	C	2			PER_BEG_DT	D	8	
	PER_END_DT	C	6			PER_END_DT	D	8	
	PLUS_BOR_TYPE	N	4	3		PLUS_BOR_TYPE	C	1	
	SCH_BR_CODE	N	9			SCH_BR_CODE	C	2	
	SCH_CODE	N	4			SCH_CODE	C	6	
	SEQ_NO	C	1			SEQ_NO	N	4	3
	STU_NO	N	6			STU_NO	N	9	
	STU_SEQ_NO	N	6			STU_SEQ_NO	N	4	
	SUB_IND					SUB_IND	C	1	
	TOT_CAN	N	6			TOT_CAN	N	6	
	TOT_DIS	N	6			TOT_DIS	N	6	
LOAN_AUD_SUPP					LOAN_AUD_SUPP	DT_TM_STAMP	T	10	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	NEW_LNG_CHAR	C	60	0		NEW_LNG_CHAR	C	60	0
	OLD_LNG_CHAR	C	60	0		OLD_LNG_CHAR	C	60	0
	ONLN_LA_FIELD_CODE	C	3	3		ONLN_LA_FIELD_CODE	C	3	3
	ONLN_LA_TRAN_CODE	C	4	1		ONLN_LA_TRAN_CODE	C	4	1
	ONLN_LA_TSTAMP	T	10	2		ONLN_LA_TSTAMP	T	10	2
LOAN_CAN		C	6		LOAN_CAN	DT_TM_STAMP	T	10	
	AMT_DIFF	D	8	4		AMT_DIFF	N	6	
	CUM_AMT	N	4	2		CUM_AMT	N	6	
	CURR_LEN_CODE	N	9	1		CURR_LEN_CODE	C	6	
	DT	N	4	3		DT	D	8	4
	ID_STU_SEQ_NO	D	8			ID_STU_SEQ_NO	N	4	2
	LOAN_NO	C	2			LOAN_NO	N	9	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	4	3
	SYS_CR_DT	C	21			SYS_CR_DT	D	8	
	TYPE	N	2	2		TYPE	C	2	
LOAN_CNSL_APP		N	4	1	LOAN_CNSL_APP	DT_TM_STAMP	T	10	
	CODE	N	2	3		CODE	C	21	
	ID_STU_SEQ_NO	D	8			ID_STU_SEQ_NO	N	2	2
	LOAN_NO					LOAN_NO	N	4	1
	LOAN_SEQ_NO	N	4			LOAN_SEQ_NO	N	2	3
	SYS_CR_DT	N	4			SYS_CR_DT	D	8	
LOAN_CPTL_INT		D	8	4	LOAN_CPTL_INT	DT_TM_STAMP	T	10	
	AMT_DIFF	N	2	2		AMT_DIFF	N	4	
	CUM_AMT	N	4	1		CUM_AMT	N	4	
	DT	N	2	3		DT	D	8	4
	ID_STU_SEQ_NO	D	8			ID_STU_SEQ_NO	N	2	2
	LOAN_NO					LOAN_NO	N	4	1
	LOAN_SEQ_NO	D	8	4		LOAN_SEQ_NO	N	2	3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SYS_CR_DT	N	2	2		SYS_CR_DT	D	8	
LOAN_DEF_RT_DEF		N	4	1	LOAN_DEF_RT_DEF	DT_TM_STAMP	T	10	
	DT	N	2	3		DT	D	8	4
	ID_STU_SEQ_NO	D	8	5		ID_STU_SEQ_NO	N	2	2
	LOAN_NO	D	8			LOAN_NO	N	4	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	2	3
	SYS_BEG_DT	N	4	2		SYS_BEG_DT	D	8	5
	SYS_END_DT	N	9	1		SYS_END_DT	D	8	
LOAN_DFR		N	4	3	LOAN_DFR	DT_TM_STAMP	T	10	
	ID_STU_SEQ_NO	D	8	4		ID_STU_SEQ_NO	N	4	2
	LOAN_NO	D	8			LOAN_NO	N	9	1
	LOAN_SEQ_NO	D	8			LOAN_SEQ_NO	N	4	3
	START_DT	C	2			START_DT	D	8	4
	STOP_DT					STOP_DT	D	8	
	SYS_CR_DT	N	6			SYS_CR_DT	D	8	
	TYPE	N	6			TYPE	C	2	
LOAN_DIS		C	6		LOAN_DIS	DT_TM_STAMP	T	10	
	AMT_DIFF	D	8	4		AMT_DIFF	N	6	
	CUM_AMT	N	4	2		CUM_AMT	N	6	
	CURR_LEN_CODE	N	9	1		CURR_LEN_CODE	C	6	
	DT	N	4	3		DT	D	8	4
	ID_STU_SEQ_NO	D	8			ID_STU_SEQ_NO	N	4	2
	LOAN_NO					LOAN_NO	N	9	1
	LOAN_SEQ_NO	C	21			LOAN_SEQ_NO	N	4	3
	SYS_CR_DT	N	4	2		SYS_CR_DT	D	8	
LOAN_EXTL_ID		N	9	1	LOAN_EXTL_ID	DT_TM_STAMP	T	10	
	CODE	N	4	3		CODE	C	21	
	ID_STU_SEQ_NO	C	8	4		ID_STU_SEQ_NO	N	4	2

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	LOAN_NO	D	8			LOAN_NO	N	9	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	4	3
	SRC	N	4			SRC	C	8	4
	SYS_CR_DT	N	4			SYS_CR_DT	D	8	
LOAN_FRGV		D	8	4	LOAN_FRGV	DT_TM_STAMP	T	10	
	AMT_DIFF	N	2	2		AMT_DIFF	N	4	
	CUM_AMT	N	4	1		CUM_AMT	N	4	
	DT	N	2	3		DT	D	8	4
	ID_STU_SEQ_NO	D	8			ID_STU_SEQ_NO	N	2	2
	LOAN_NO	C	2			LOAN_NO	N	4	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	2	3
	SYS_CR_DT	D	8	4		SYS_CR_DT	D	8	
	TYPE	D	8			TYPE	C	2	
LOAN_GP		N	4		LOAN_GP	DT_TM_STAMP	T	10	
	D_SYS_CR_DT	N	9			D_SYS_CR_DT	D	8	4
	D_SYS_END_DT	N	4			D_SYS_END_DT	D	8	
	GP_ID_STU_SEQ_NO	N	4	2		GP_ID_STU_SEQ_NO	N	4	
	GP_LOAN_NO	N	9	1		GP_LOAN_NO	N	9	
	GP_LOAN_SEQ_NO	N	4	3		GP_LOAN_SEQ_NO	N	4	
	ID_STU_SEQ_NO	C	1	5		ID_STU_SEQ_NO	N	4	2
	LOAN_NO	C	1			LOAN_NO	N	9	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	4	3
	USAGE_IND	N	4			USAGE_IND	C	1	5
	VAL_IND	N	2			VAL_IND	C	1	
LOAN_GUA		N	2		LOAN_GUA	DT_TM_STAMP	T	10	
	LOAN_NO	N	2			LOAN_NO	N	4	
	ID_STU_SEQ_NO	C	5			ID_STU_SEQ_NO	N	2	
	LOAN_SEQ_NO	D	8			LOAN_SEQ_NO	N	2	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SEQ_NO	D	8			SEQ_NO	N	2	
	GA_CODE	D	8			GA_CODE	C	5	
	RESP_BEG_DT	C	40			RESP_BEG_DT	D	8	
	RESP_END_DT	C	1			RESP_END_DT	D	8	
	SYS_CR_DT					SYS_CR_DT	D	8	
	GA_NM	N	4	2		GA_NM	C	40	
	VAL_IND	N	9	1		VAL_IND	C	1	
LOAN_MAT_DT_HIS		N	4	3	LOAN_MAT_DT_HIS	DT_TM_STAMP	T	10	
	ID_STU_SEQ_NO	D	8			ID_STU_SEQ_NO	N	4	2
	LOAN_NO	N	2	4		LOAN_NO	N	9	1
	LOAN_SEQ_NO	D	8	5		LOAN_SEQ_NO	N	4	3
	MAT_DT					MAT_DT	D	8	
	SEQ_NO	D	8			SEQ_NO	N	2	4
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	5
LOAN_ORIGN_SUPP		C	1		LOAN_ORIGN_SUPP	DT_TM_STAMP	T	10	
	ACAD_YR_BEG_DT	C	1			ACAD_YR_BEG_DT	D	8	
	ACAD_YR_END_DT	N	2	2		ACAD_YR_END_DT	D	8	
	ADD_HEAL_IND	N	4	1		ADD_HEAL_IND	C	1	
	ADD_PLUS_DEN_IND	N	2	3		ADD_PLUS_DEN_IND	C	1	
	ID_STU_SEQ_NO	C	1			ID_STU_SEQ_NO	N	2	2
	LOAN_NO	C	21			LOAN_NO	N	4	1
	LOAN_SEQ_NO	D	8			LOAN_SEQ_NO	N	2	3
	LT_DIS_IND	C	1			LT_DIS_IND	C	1	
	MST_PRM_NT_CODE	C	1			MST_PRM_NT_CODE	C	21	
	MST_PRM_NT_EXPR_DT	D	8			MST_PRM_NT_EXPR_DT	D	8	
	MST_PRM_NT_STAT					MST_PRM_NT_STAT	C	1	
	STU_DEP_STAT	N	6			STU_DEP_STAT	C	1	
	SYS_CR_DT	N	4	2		SYS_CR_DT	D	8	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
LOAN_RFD		N	6		LOAN_RFD	DT_TM_STAMP	T	10	
	CUM_LEN_REC'D_AMT	N	9	1		CUM_LEN_REC'D_AMT	N	6	
	ID_STU_SEQ_NO	N	4	3		ID_STU_SEQ_NO	N	4	2
	LEN_REC'D_AMT_DIFF	D	8	4		LEN_REC'D_AMT_DIFF	N	6	
	LOAN_NO	D	8			LOAN_NO	N	9	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	4	3
	REC_DT	C	3	5		REC_DT	D	8	4
	SYS_CR_DT	C	40			SYS_CR_DT	D	8	
LOAN_RPMT_PLAN		N	9	1	LOAN_RPMT_PLAN	DT_TM_STAMP	T	10	
	DT_ENTR_RPMT	N	4	3		DT_ENTR_RPMT_PLN	D	8	4
	ID_STU_SEQ_NO	N	3			ID_STU_SEQ_NO	N	4	2
	LOAN_NO	C	2			LOAN_NO	N	9	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	4	3
	TERM_IN_MO	C	2			TERM_IN_MO	N	3	
	TYPE	D	8			TYPE	C	2	
LOAN_STAT		N	4	2	LOAN_STAT	DT_TM_STAMP	T	10	
	CODE	N	9	1		CODE	C	2	
	DT	N	4	3		DT	D	8	
	ID_STU_SEQ_NO	N	2	5		ID_STU_SEQ_NO	N	4	2
	LOAN_NO	D	8	4		LOAN_NO	N	9	1
	LOAN_SEQ_NO	D	8			LOAN_SEQ_NO	N	4	3
	SEQ_NO	C	1			SEQ_NO	N	2	5
	SYS_BEG_DT					SYS_BEG_DT	D	8	4
	SYS_END_DT	N	4			SYS_END_DT	D	8	
	VAL_IND	N	2			VAL_IND	C	1	
LOAN_STAT_AMT_HIS		N	2		LOAN_STAT_AMT_HIS	DT_TM_STAMP	T	10	
	LOAN_NO	D	8			LOAN_NO	N	4	
	ID_STU_SEQ_NO	N	2			ID_STU_SEQ_NO	N	2	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	LOAN_SEQ_NO	N	4			LOAN_SEQ_NO	N	2	
	LOAN_STAT_BEG_DT	N	4			LOAN_STAT_BEG_DT	D	8	
	LOAN_STAT_SEQ_NO					LOAN_STAT_SEQ_NO	N	2	
	AMT_OF_PRIN	C	2			AMT_OF_PRIN	N	4	
	AMT_OF_INT	D	8			AMT_OF_INT	N	4	
LOAN_SUPP		D	8		LOAN_SUPP	DT_TM_STAMP	T	10	
	CURR_INSUR_CL_RSN	D	8			CURR_INSUR_CL_RSN	C	2	
	CURR_INSUR_PMT_DT	D	8			CURR_INSUR_PMT_DT	D	8	
	CURR_INSUR_RFD_DT	D	8			CURR_INSUR_RFD_DT	D	8	
	CURR_INT_COLL_DT	D	8			CURR_INT_COLL_DT	D	8	
	CURR_OFF_INT_DT	D	8			CURR_OFF_INT_DT	D	8	
	CURR_OFF_PRIN_DT	C	1			CURR_OFF_PRIN_DT	D	8	
	CURR_PCA_REQ_DT	D	8			CURR_PCA_REQ_DT	D	8	
	CURR_PCA_SENT_DT	C	1			CURR_PCA_SENT_DT	D	8	
	CURR_PCA_SPA_TYPE	D	8			CURR_PCA_SPA_TYPE	C	1	
	CURR_PRIN_COLL_DT	D	8			CURR_PRIN_COLL_DT	D	8	
	CURR_REHAB_IND	D	8			CURR_REHAB_IND	C	1	
	CURR_REINSUR_FILDT	C	2			CURR_REINSUR_FILDT	D	8	
	CURR_REINSUR_PD_DT	C	1			CURR_REINSUR_PD_DT	D	8	
	CURR_REINSUR_RFDDT	D	8			CURR_REINSUR_RFDDT	D	8	
	CURR_REINSUR_RSN	D	8			CURR_REINSUR_RSN	C	2	
	CURR_REINSUR_RT	D	8			CURR_REINSUR_RT	C	1	
	CURR_RFD_REC_DT	N	6			CURR_RFD_REC_DT	D	8	
	CURR_RPCH_LOAN_DT	D	8			CURR_RPCH_LOAN_DT	D	8	
	CURR_SPA_PMT_DATE	C	2			CURR_SPA_PMT_DATE	D	8	
	CURR_SUPP_FEE_BAL	N	4	2		CURR_SUPP_FEE_BAL	N	6	
	CURR_SUPP_REQ_DT	N	9	1		CURR_SUPP_REQ_DT	D	8	
	CURR_SUPP_RSN_CODE	N	4	3		CURR_SUPP_RSN_CODE	C	2	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	ID_STU_SEQ_NO	N	6			ID_STU_SEQ_NO	N	4	2
	LOAN_NO	N	6			LOAN_NO	N	9	1
	LOAN_SEQ_NO	N	6			LOAN_SEQ_NO	N	4	3
	TOT_INSUR_PMT	N	6			TOT_INSUR_PMT	N	6	
	TOT_INSUR_RFD	N	6			TOT_INSUR_RFD	N	6	
	TOT_INT_COLL	N	6			TOT_INT_COLL	N	6	
	TOT_OFF_INT	N	6			TOT_OFF_INT	N	6	
	TOT_OFF_PRIN	N	6			TOT_OFF_PRIN	N	6	
	TOT_PRIN_COLL	N	6			TOT_PRIN_COLL	N	6	
	TOT_REINSUR_PMT	N	6			TOT_REINSUR_PMT	N	6	
	TOT_REINSUR_RFD	N	6			TOT_REINSUR_RFD	N	6	
	TOT_RFD_REC	N	6			TOT_RFD_REC	N	6	
	TOT_RPCH_LOAN					TOT_RPCH_LOAN	N	6	
	TOT_SPA_PMT	C	1			TOT_SPA_PMT	N	6	
	TOT_SUPP_REINSUR	N	2	2		TOT_SUPP_REINSUR	N	6	
LOAN_SUPP_DCS					LOAN_SUPP_DCS	DT_TM_STAMP	T	10	
	CURR_INSUR_CL_RSN	C	2	0		CURR_INSUR_CL_RSN	C	2	0
	CURR_INSUR_PMT_DT	D	4	0		CURR_INSUR_PMT_DT	D	4	0
	CURR_PRIN_COLL_DT	D	4	0		CURR_PRIN_COLL_DT	D	4	0
	ID_STU_SEQ_NO	N	2	0		ID_STU_SEQ_NO	N	2	0
	LOAN_NO	N	4	0		LOAN_NO	N	4	0
	LOAN_SEQ_NO	N	2	0		LOAN_SEQ_NO	N	2	0
	TOT_INSUR_PMT	N	4	0		TOT_INSUR_PMT	N	4	0
	TOT_INT_COLL	N	4	0		TOT_INT_COLL	N	4	0
	TOT_PRIN_COLL	N	4	0		TOT_PRIN_COLL	N	4	0
LOAN_TRAN_LOG		N	4	1	LOAN_TRAN_LOG	DT_TM_STAMP	T	10	
	CLOS_RSN	N	2	3		CLOS_RSN	C	1	
	ID_STU_SEQ_NO	C	8	5		ID_STU_SEQ_NO	N	2	2

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	LOAN_NO	D	8			LOAN_NO	N	4	1
	LOAN_SEQ_NO	D	8	4		LOAN_SEQ_NO	N	2	3
	SRC	C	8			SRC	C	8	5
	SYS_CLOS_DT					SYS_CLOS_DT	D	8	
	SYS_CR_DT	N	4	1		SYS_CR_DT	D	8	4
	TGT	N	2	2		TGT	C	8	
LOAN_TYPE_ERR_HIS		N	2	3	LOAN_TYPE_ERR_HIS	DT_TM_STAMP	T	10	
	LOAN_NO	D	8	4		LOAN_NO	N	4	1
	ID_STU_SEQ_NO	C	2	5		ID_STU_SEQ_NO	N	2	2
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	2	3
	SYS_CR_DT	C	2	1		SYS_CR_DT	D	8	4
	LOAN_TYPE	C	10			LOAN_TYPE	C	2	5
LOAN_TYPE		C	2		LOAN_TYPE	DT_TM_STAMP	T	10	
	CODE	C	30			CODE	C	2	1
	LOAN_TYPE_GP_CODE	D	8			LOAN_TYPE_GP_CODE	C	10	
	NEW_LOAN_TYPE					NEW_LOAN_TYPE	C	2	
	NM	C	10	1		NM	C	30	
	SYS_CR_DT	C	60			SYS_CR_DT	D	8	
LOAN_TYPE_GP					LOAN_TYPE_GP	DT_TM_STAMP	T	10	
	CODE	N	4	1		CODE	C	10	1
	DESCN	N	2	2		DESCN	C	60	
LOAN_UNPD_RFD_DCHG		N	2	3	LOAN_UNPD_RFD_DCHG	DT_TM_STAMP	T	10	
	LOAN_NO	D	4	4		LOAN_NO	N	4	1
	ID_STU_SEQ_NO	N	4			ID_STU_SEQ_NO	N	2	2
	LOAN_SEQ_NO	N	4			LOAN_SEQ_NO	N	2	3
	DT	N	4			DT	D	4	4
	CUM_AMT					CUM_AMT	N	4	
	AMT_DIFF	N	4	2		AMT_DIFF	N	4	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SYS_CR_DT	N	4	1		SYS_CR_DT	N	4	
LOC_GP					LOC_GP	DT_TM_STAMP	T	10	
	NM	C	8	0		NM	C	8	0
	SYS_CR_TSTAMP	T	10	1		SYS_CR_TSTAMP	T	10	1
LTR_REC_P					LTR_REC_P	DT_TM_STAMP	T	10	
	LTR_REQ_FUNC_ID	C	8	1		LTR_REQ_FUNC_ID	C	8	1
	LTR_REQ_TYPE	C	2	2		LTR_REQ_TYPE	C	2	2
	ID	N		3		ID	N		3
	JOB_TITL	C	35			JOB_TITL	C	35	
	COPY_CNT	N				COPY_CNT	N		
	DEST_ID	C	8			DEST_ID	C	8	
LTR_REQ					LTR_REQ	DT_TM_STAMP	T	10	
	FUNC_ID	C	8	1		FUNC_ID	C	8	1
	TYPE	C	2	2		TYPE	C	2	2
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
	CR_USER_ID	C	8			CR_USER_ID	C	8	
	LTR_TITL	C	40			LTR_TITL	C	40	
LTR_TEXT					LTR_TEXT	DT_TM_STAMP	T	10	
	LTR_REQ_FUNC_ID	C	8	1		LTR_REQ_FUNC_ID	C	8	1
	LTR_REQ_TYPE	C	2	2		LTR_REQ_TYPE	C	2	2
	LTR_REC_P_ID	N		3		LTR_REC_P_ID	N		3
	LINE_NO	N		4		LINE_NO	N		4
	LINE_TEXT	C	80			LINE_TEXT	C	80	
LTR_TEXT_PARM					LTR_TEXT_PARM	DT_TM_STAMP	T	10	
	LTR_REQ_FUNC_ID	C	8	1		LTR_REQ_FUNC_ID	C	8	1
	LTR_REQ_TYPE	C	2	2		LTR_REQ_TYPE	C	2	2
	LTR_REC_P_ID	N		3		LTR_REC_P_ID	N		3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	LTR_TEXT_LINE_NO	N		4		LTR_TEXT_LINE_NO	N		4
	TEXT_PARM_SEQ_NO	N		5		TEXT_PARM_SEQ_NO	N		5
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
METRICS					METRICS	DT_TM_STAMP	T	10	
	CNT	N	15			CNT	N	15	
	MO	N	4			MO	N	4	
	PT	C	3			PT	C	3	
	REPT_NM	C	25			REPT_NM	C	25	
	ST	C	3			ST	C	3	
	SYS_CR_DT	D	4			SYS_CR_DT	D	4	
	YR	N	4			YR	N	4	
MSG					MSG	DT_TM_STAMP	T	10	
	FROM_DT	D	4	0		FROM_DT	D	4	0
	ID	N	4	1		ID	N	4	1
	LINE_NO	N	2	2		LINE_NO	N	2	2
	PRIO	N	2	0		PRIO	N	2	0
	TEXT0	C	60	0		TEXT0	C	60	0
	TO_DT	D	4	0		TO_DT	D	4	0
MSG_FUNC_GP					MSG_FUNC_GP	DT_TM_STAMP	T	10	
	CMD_CMD	C	20	4		CMD_CMD	C	20	4
	CMD_TRAN	C	8	5		CMD_TRAN	C	8	5
	FG_SYS_CR_TSTAMP	T	10	3		FG_SYS_CR_TSTAMP	T	10	3
	FUT	C	1	0		FUT	C	1	0
	MSG_ID	N	4	1		MSG_ID	N	4	1
	MSG_LINE_NO	N	2	2		MSG_LINE_NO	N	2	2
NATL_AGG		N	9		NATL_AGG	DT_TM_STAMP	T	10	
	DESC_DET_ID	N	9			DESC_DET_ID	N	4	2
	DESC_ID	D	8	3		DESC_ID	N	4	1

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	DOL_VOL	D	8	4		DOL_VOL	N	9	
	LOAN_VOL	D	8			LOAN_VOL	N	9	
	RPT_BEG_DT					RPT_BEG_DT	D	8	3
	RPT_END_DT	C	8	1		RPT_END_DT	D	8	4
	SYS_CR_DT	D	4			SYS_CR_DT	D	8	
NON_COLL_LOAN					NON_COLL_LOAN	DT_TM_STAMP	T	10	
	ACAD_LVL	C	1	0		ACAD_LVL	C	1	0
	CURR_LOAN_STAT	C	2	0		CURR_LOAN_STAT	C	2	0
	ED_REG_CODE	C	2	0		ED_REG_CODE	C	2	0
	GA_CODE	C	3	0		GA_CODE	C	3	0
	ID_STU_SEQ_NO	N	2	2		ID_STU_SEQ_NO	N	2	2
	LOAN_TYPE	C	2	0		LOAN_TYPE	C	2	0
	NO	N	4	1		NO	N	4	1
	OUT_PRIN_BAL	N	4	0		OUT_PRIN_BAL	N	4	0
	OUT_PRIN_BAL_DT	D	4	0		OUT_PRIN_BAL_DT	D	4	0
	SCH_BR_CODE	C	2	0		SCH_BR_CODE	C	2	0
	SCH_CODE	C	6	0		SCH_CODE	C	6	0
	SEQ_NO	N	2	3		SEQ_NO	N	2	3
	STU_NO	N	4	0		STU_NO	N	4	0
	STU_SEQ_NO	N	2	0		STU_SEQ_NO	N	2	0
NSLDS_EXTL_CON					NSLDS_EXTL_CON	DT_TM_STAMP	T	10	
	CON_TYPE	C	2	1		CON_TYPE	C	2	1
	FUNC_GP_SYS_TSTAMP	T	10	2		FUNC_GP_SYS_TSTAMP	T	10	2
	LOC_GP_SYS_TSTAMP	T	10	3		LOC_GP_SYS_TSTAMP	T	10	3
	PERK_FLAG	C	1	0		PERK_FLAG	C	1	0
	POC_ADD_1	C	50	0		POC_ADD_1	C	50	0
	POC_ADD_2	C	50	0		POC_ADD_2	C	50	0
	POC_CITY	C	20	0		POC_CITY	C	20	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	POC_E_MAIL_ADD	C	45	0		POC_E_MAIL_ADD	C	45	0
	POC_FAX_EXT	C	4	0		POC_FAX_EXT	C	4	0
	POC_FAX_NO	C	12	0		POC_FAX_NO	C	12	0
	POC_FST_NM	C	12	0		POC_FST_NM	C	12	0
	POC_LST_NM	C	35	0		POC_LST_NM	C	35	0
	POC_ORG_NM	C	60	0		POC_ORG_NM	C	60	0
	POC_PH_EXT	C	5	0		POC_PH_EXT	C	5	0
	POC_PH_NO	C	12	0		POC_PH_NO	C	12	0
	POC_ST	C	2	0		POC_ST	C	2	0
	POC_TITL	C	32	0		POC_TITL	C	32	0
	POC_ZIP_CODE	C	9	0		POC_ZIP_CODE	C	9	0
	SM_SCH_TEMP	C	1	0		SM_SCH_TEMP	C	1	0
NSLDS_USER		C	1		NSLDS_USER	DT_TM_STAMP	T	10	
	NSLDS_ID	C	7			NSLDS_ID	C	8	1
	STAT_DT	C	3			STAT_DT	D	4	
	STAT_IND	C	3			STAT_IND	C	1	
	BILL_GP_ID	C	12			BILL_GP_ID	C	7	
	DISK_FMT	C	35			DISK_FMT	C	3	
	TAPE_FMT	C	60			TAPE_FMT	C	3	
	FST_NM	C	50			FST_NM	C	12	
	LST_NM	C	50			LST_NM	C	35	
	USER_ORG	C	20			USER_ORG	C	60	
	USER_ADD_LINE_1	C	2			USER_ADD_LINE_1	C	50	
	USER_ADD_LINE_2	C	9			USER_ADD_LINE_2	C	50	
	CITY	C	8			CITY	C	20	
	ST	C	12			ST	C	2	
	ZIP_CODE	C	8			ZIP_CODE	C	9	
	GES_USER_ID	T	10			GES_USER_ID	C	8	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	PH_NO	C	1			PH_NO	C	12	
	GES_ACCT	C	1			GES_ACCT	C	8	
	LOC_GP_SYS_TSTAMP	C	30			LOC_GP_SYS_TSTAMP	T	10	
	USER_TYPE	C	8			USER_TYPE	C	1	
	GES_MODE					GES_MODE	C	1	
	USER_TITL	T	10			USER_TITL	C	30	
	NSLDS_SVR_ID	C	3			NSLDS_SVR_ID	C	8	
ONLN_LCK					ONLN_LCK	DT_TM_STAMP	T	10	
	ID_STU_SEQ_NO	N	2	2		ID_STU_SEQ_NO	N	2	2
	LCK_TSTAMP	T	10	0		LCK_TSTAMP	T	10	0
	LOAN_NO	N	4	1		LOAN_NO	N	4	1
	LOAN_SEQ_NO	N	2	3		LOAN_SEQ_NO	N	2	3
	NSLDS_USER_ID	C	8	4		NSLDS_USER_ID	C	8	4
ONLN_LOAN_AUD					ONLN_LOAN_AUD	DT_TM_STAMP	T	10	
	CODE	N	4	0		CODE	N	4	0
	EVT_DT	D	4	0		EVT_DT	D	4	0
	FLD_CODE	C	3	3		FLD_CODE	C	3	3
	ID_STU_SEQ_NO	N	2	0		ID_STU_SEQ_NO	N	2	0
	MORE_FLAG	C	1	0		MORE_FLAG	C	1	0
	NEW_CHAR	C	3	0		NEW_CHAR	C	3	0
	NEW_DT	D	4	0		NEW_DT	D	4	0
	NEW_NUM	N	4	0		NEW_NUM	N	4	0
	NSLDS_USER_ID	C	8	0		NSLDS_USER_ID	C	8	0
	OLD_CHAR	C	3	0		OLD_CHAR	C	3	0
	OLD_DT	D	4	0		OLD_DT	D	4	0
	OLD_NUM	N	4	0		OLD_NUM	N	4	0
	SEQ_NO	N	2	0		SEQ_NO	N	2	0
	TRAN_LOG_TRAN_CODE	C	4	1		TRAN_LOG_TRAN_CODE	C	4	1

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	TRAN_LOG_TSTAMP	T	10	2		TRAN_LOG_TSTAMP	T	10	2
ORG		C	8		ORG	DT_TM_STAMP	T	10	
	SYS_CR_TSTAMP	C	2			SYS_CR_TSTAMP	T	10	
	GA_CODE	C	8			GA_CODE	C	3	
	LEN_CODE	C	2			LEN_CODE	C	8	
	LEN_BR_CODE	C	2			LEN_BR_CODE	C	2	
	VAL_TRSL_LKUP_ID	C	1			VAL_TRSL_LKUP_ID	C	8	
	VAL_TRSL_LKUP_NM	C	8			VAL_TRSL_LKUP_NM	C	2	
	LEN_TYPE					LEN_TYPE	C	2	
	SCH_CODE	C	1			SCH_CODE	C	1	
	SCH_BR_CODE	N	4	2		SCH_BR_CODE	C	8	
ORG_CON		T	10		ORG_CON	DT_TM_STAMP	T	10	
	ACT_FUNC_ID	C	2			ACT_FUNC_ID	C	2	
	CITY	C	20			CITY	C	20	
	EMAIL_ADD	C	45			EMAIL_ADD	C	45	
	FAX_NO	C	12			FAX_NO	C	12	
	FST_NM	C	12			FST_NM	C	12	
	ID	C	2			ID	C	2	
	LST_NM	C	35			LST_NM	C	35	
	LSR_UPDT_TSTAMP	Q	10			LSR_UPDT_TSTAMP	Q	10	
	LST_UPDT_USER_ID	C	8			LST_UPDT_USER_ID	C	8	
	ORG_CODE	C	10			ORG_CODE	C	10	
	PH_EXT	C	5			PH_EXT	C	5	
	PH_NO	C	12			PH_NO	C	12	
	ST	C	2			ST	C	2	
	ST_ADD_LINE_1	C	50			ST_ADD_LINE_1	C	50	
	ST_ADD_LINE_2	C	50			ST_ADD_LINE_2	C	50	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	TITL	C	30			TITL	C	30	
	TYPE	C	6			TYPE	C	6	
	URL	C	45			URL	C	45	
	ZIP_CODE	C	9			ZIP_CODE	C	9	
PARM_VAL					PARM_VAL	DT_TM_STAMP	T	10	
	CODE	C	8	1		CODE	C	8	1
	DESCN	C	60	0		DESCN	C	60	0
	DSPL_FMT	C	40	0		DSPL_FMT	C	40	0
	FLD_LGTH	N	2	0		FLD_LGTH	N	2	0
	FLD_TYPE	C	1	0		FLD_TYPE	C	1	0
PCA_SPA_NOTIF		N	9	1	PCA_SPA_NOTIF	DT_TM_STAMP	T	10	
	CL_ASS_TYPE	N	4	3		CL_ASS_TYPE	C	1	
	ID_STU_SEQ_NO	D	8			ID_STU_SEQ_NO	N	4	2
	LOAN_NO	D	8	4		LOAN_NO	N	9	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	4	3
	NOTIF_SENT_DT	N	6			NOTIF_SENT_DT	D	8	
	REQ_DT	N	2			REQ_DT	D	8	4
PELL_GRT		N	4		PELL_GRT	DT_TM_STAMP	T	10	
	ACCPT_ORG_AMT	N	2			ACCPT_ORG_AMT	N	6	
	ACTD_ACAD_CALNDR	C	1			ACTD_ACAD_CALNDR	N	2	
	ACTD_COST_OF_ATT	N	2			ACTD_COST_OF_ATT	N	4	
	ACTD_CRDT_HRS_EXP	C	1			ACTD_CRDT_HRS_EXP	N	2	
	ACTD_ENRL_CODE	C	2			ACTD_ENRL_CODE	C	1	
	ACTD_HRS_IN_SCH_YR	C	1			ACTD_HRS_IN_SCH_YR	N	2	
	ACTD_INCARC_IND	C	1			ACTD_INCARC_IND	C	1	
	ACTD_INCARC_ST	C	1			ACTD_INCARC_ST	C	2	
	ACTD_PMT_METHOD	N	2			ACTD_PMT_METHOD	C	1	
	ACTD_SEC_EFF_CODE	N	2			ACTD_SEC_EFF_CODE	C	1	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	ACTD_VERIF_STAT	N	6			ACTD_VERIF_STAT	C	1	
	ACTD_WKS_ENR	C	2	4		ACTD_WKS_ENR	N	2	
	ACTD_WKS_IN_PROG	C	6	3		ACTD_WKS_IN_PROG	N	2	
	AMT_PAID_TO_DT	C	4	6		AMT_PAID_TO_DT	N	6	
	ATT_SCH_BR_CODE	C	26			ATT_SCH_BR_CODE	C	2	4
	ATT_SCH_CODE	D	8			ATT_SCH_CODE	C	6	3
	AWARD_YR	D	8			AWARD_YR	C	4	6
	BAT_NO	D	8			BAT_NO	C	26	
	DIS_DT	N	6			DIS_DT	D	8	
	DIS_POST_DT	C	1			DIS_POST_DT	D	8	
	ENRL_DT	N	4			ENRL_DT	D	8	
	EXP_FAM_CONTRIB	N	5			EXP_FAM_CONTRIB	N	6	
	HIGH_ACTD_ENRL_COD	D	8			HIGH_ACTD_ENRL_COD	C	1	
	HIGH_COST_OF_ATT	N	5			HIGH_COST_OF_ATT	N	4	
	PCT_ELIG_USED_DECM	C	2			PCT_ELIG_USED_DECM	N	5	
	RECD_DT	C	6			RECD_DT	D	8	
	REMN_AMT_TO_PAY	N	6			REMN_AMT_TO_PAY	N	5	
	RPT_SCH_BR_CODE	C	5			RPT_SCH_BR_CODE	C	2	
	RPT_SCH_CODE	N	4			RPT_SCH_CODE	C	6	
	SCHED_AMT	D	8			SCHED_AMT	N	6	
	SEC_FAM_CONTRIB	N	5			SEC_FAM_CONTRIB	C	5	
	SEG_BAT_NO	D	8			SEG_BAT_NO	N	4	
	SEG_CR_DT	C	2			SEG_CR_DT	D	8	
	SEG_ELIG_USED	N	6			SEG_ELIG_USED	N	5	
	SEG_LST_UPD_DT	C	1			SEG_LST_UPD_DT	D	8	
	SEG_NO	D	8			SEG_NO	C	2	
	SEG_OVRAWRD_DIS	C	2			SEG_OVRAWRD_DIS	N	6	
	SEG_POTEN_OVRAWARD	N	9	1		SEG_POTEN_OVRAWARD	C	1	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SEG_SCH_AS_OF_DT	C	2			SEG_SCH_AS_OF_DT	D	8	
	SEG_STAT	C	9			SEG_STAT	C	2	
	STU_NO	N	4	2		STU_NO	N	9	1
	STU_ORG_NM_CODE	C	2			STU_ORG_NM_CODE	C	2	
	STU_ORG_SSN	N	6			STU_ORG_SSN	C	9	
	STU_SEQ_NO	C	2	5		STU_SEQ_NO	N	4	2
	TRAN_NO					TRAN_NO	C	2	
	TRAN_SEQ_NO	C	12			TRAN_SEQ_NO	N	6	
	TYPE	C	35			TYPE	C	2	5
PELL_SBMTL_RUN_ERR					PELL_SBMTL_RUN_ERR	DT_TM_STAMP	T	10	
	ATT_SCH_BR_CODE	C	2	5		ATT_SCH_BR_CODE	C	2	5
	ATT_SCH_CODE	C	6	4		ATT_SCH_CODE	C	6	4
	ERR_CODE	C	2	0		ERR_CODE	C	2	0
	ERR_VAL	C	35	0		ERR_VAL	C	35	0
	FLD_IN_ERR_CODE	C	2	0		FLD_IN_ERR_CODE	C	2	0
	PELL_GRT_AWARD_YR	C	4	6		PELL_GRT_AWARD_YR	C	4	6
	RESLT_DT	D	4	0		RESLT_DT	D	4	0
	RPT_SCH_BR_CODE	C	2	8		RPT_SCH_BR_CODE	C	2	8
	RPT_SCH_CODE	C	6	7		RPT_SCH_CODE	C	6	7
	SBMTL_DT	D	4	9		SBMTL_DT	D	4	9
	SEQ_NO	N	2	10		SEQ_NO	N	2	10
	STAT	C	1	0		STAT	C	1	0
	STU_DOB	D	4	3		STU_DOB	D	4	3
	STU_FST	C	12	2		STU_FST	C	12	2
	STU_SSN	C	9	1		STU_SSN	C	9	1
PEPS_SBMTL_HIS					PEPS_SBMTL_HIS	DT_TM_STAMP	T	10	
	PEPS_CR_DT	D	4	1		PEPS_CR_DT	D	4	1
	RUN_ERR_TOT	N	4	0		RUN_ERR_TOT	N	4	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SEQ_NO	N	2	2		SEQ_NO	N	2	2
	STAT	C	1	0		STAT	C	1	0
	SYS_CR_TSTAMP	T	10	0		SYS_CR_TSTAMP	T	10	0
	TOT_RCD_PROC	N	4	0		TOT_RCD_PROC	N	4	0
PEPS_SBMTL_RUN_ERR					PEPS_SBMTL_RUN_ERR	DT_TM_STAMP	T	10	
	ERR_CODE	N	2	5		ERR_CODE	N	2	5
	FLD_IN_ERR_CODE	N	2	6		FLD_IN_ERR_CODE	N	2	6
	REC_TYPE_IND	C	1	7		REC_TYPE_IND	C	1	7
	SBMTL_HIS_CR_DT	D	4	1		SBMTL_HIS_CR_DT	D	4	1
	SBMTL_HIS_SEQ_NO	N	2	2		SBMTL_HIS_SEQ_NO	N	2	2
	SCH_BR_CODE	C	2	4		SCH_BR_CODE	C	2	4
	SCH_CODE	C	6	3		SCH_CODE	C	6	3
PLUS_NON_COLL_LOAN					PLUS_NON_COLL_LOAN	DT_TM_STAMP	T	10	
	FUT	C	1	0		FUT	C	1	0
	NON_COLL_ID_SEQ_NO	N	2	2		NON_COLL_ID_SEQ_NO	N	2	2
	NON_COLL_LOAN_NO	N	4	1		NON_COLL_LOAN_NO	N	4	1
	NON_COLL_SEQ_NO	N	2	3		NON_COLL_SEQ_NO	N	2	3
	PLUS_BOR_NO	N	4	4		PLUS_BOR_NO	N	4	4
	PLUS_BOR_SEQ_NO	N	2	5		PLUS_BOR_SEQ_NO	N	2	5
PLUS_BOR		C	1		PLUS_BOR	DT_TM_STAMP	T	10	
	CURR_FST	C	9			CURR_FST	C	12	
	CURR_LST	D	8			CURR_LST	C	35	
	CURR_PSEUDO_IND	C	1			CURR_PSEUDO_IND	C	1	
	CURR_SSN	N	9	1		CURR_SSN	C	9	
	DOB	C	2			DOB	D	8	
	MID_INIT	N	4	2		MID_INIT	C	1	
	NO					NO	N	9	1
	RES_ST	N	4	2		RES_ST	C	2	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SEQ_NO	N	9	1		SEQ_NO	N	4	2
PLUS_BOR_LOAN		N	4	3	PLUS_BOR_LOAN	DT_TM_STAMP	T	10	
	ID_STU_SEQ_NO	N	9	4		ID_STU_SEQ_NO	N	4	2
	LOAN_NO	N	4	5		LOAN_NO	N	9	1
	LOAN_SEQ_NO	D	8	6		LOAN_SEQ_NO	N	4	3
	PLUS_BOR_NO					PLUS_BOR_NO	N	9	4
	PLUS_BOR_SEQ_NO	C	1			PLUS_BOR_SEQ_NO	N	4	5
	SYS_CR_DT	C	12	3		SYS_CR_DT	D	8	6
PLUS_BOR_NM		C	35	4	PLUS_BOR_NM	DT_TM_STAMP	T	10	
	CURR_NM_IND	N	9	1		CURR_NM_IND	C	1	
	FST	N	4	2		FST	C	12	3
	LST	D	8			LST	C	35	4
	PLUS_BOR_NO					PLUS_BOR_NO	N	9	1
	PLUS_BOR_SEQ_NO	D	8			PLUS_BOR_SEQ_NO	N	4	2
	SYS_CR_DT	C	1			SYS_CR_DT	D	8	
PLUS_BOR_SSN		C	9	3	PLUS_BOR_SSN	DT_TM_STAMP	T	10	
	BOR_DOB	N	9	1		BOR_DOB	D	8	
	CURR_SSN_IND	N	4	2		CURR_SSN_IND	C	1	
	NO	C	1			NO	C	9	3
	PLUS_BOR_NO	C	8			PLUS_BOR_NO	N	9	1
	PLUS_BOR_SEQ_NO	D	8			PLUS_BOR_SEQ_NO	N	4	2
	PSEUDO_SSN_IND					PSEUDO_SSN_IND	C	1	
	SRC	C	1			SRC	C	8	
	SYS_CR_DT	C	2	2		SYS_CR_DT	D	8	
PORT		C	2	2	PORT	DT_TM_STAMP	T	10	
	CURR_STAT	C	6	1		CURR_STAT	C	1	
	FUNC	C	2			FUNC	C	2	2
	PROV_BR_CODE	D	8			PROV_BR_CODE	C	2	2

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	PROV_CODE	C	1	3		PROV_CODE	C	6	1
	SCHED_FREQ					SCHED_FREQ	C	2	
	SCHED_START_DT	T	10			SCHED_START_DT	D	8	
	TYPE	C	2	6		TYPE	C	1	3
PORT_PARTIC		C	2	4	PORT_PARTIC	DT_TM_STAMP	T	10	
	END_EVT_TSTAMP	C	6	3		END_EVT_TSTAMP	T	10	
	PORT_FUNC	C	1	5		PORT_FUNC	C	2	6
	PORT_PROV_BR_CODE	C	2			PORT_PROV_BR_CODE	C	2	4
	PORT_PROV_CODE	T	10	7		PORT_PROV_CODE	C	6	3
	PORT_TYPE	N	9	1		PORT_TYPE	C	1	5
	RSN	N	2	2		RSN	C	2	
	SSCR_EVT_TSTAMP					SSCR_EVT_TSTAMP	T	10	7
	STU_NO	T	10			STU_NO	N	9	1
	STU_SEQ_NO	C	2	11		STU_SEQ_NO	N	2	2
PORT_PARTIC_FCD		C	2	9	PORT_PARTIC_FCD	DT_TM_STAMP	T	10	
	END_EVT_TSTAMP	C	6	8		END_EVT_TSTAMP	T	10	
	PORT_FUNC	C	1	10		PORT_FUNC	C	2	11
	PORT_PROV_BR_CODE		2	2		PORT_PROV_BR_CODE	C	2	9
	PORT_PROV_CODE	C	2	4		PORT_PROV_CODE	C	6	8
	PORT_TYPE	C	6	3		PORT_TYPE	C	1	10
	PRTN_FUNC	C	1	5		PRTN_FUNC		2	2
	PRTN_PROV_BR_CODE	C	2			PRTN_PROV_BR_CODE	C	2	4
	PRTN_PROV_CODE	T	10	7		PRTN_PROV_CODE	C	6	3
	PRTN_TYPE	N	9	1		PRTN_TYPE	C	1	5
	RSN	N	2	2		RSN	C	2	
	SSCR_EVT_TSTAMP					SSCR_EVT_TSTAMP	T	10	7
	STU_NO	C	1			STU_NO	N	9	1
	STU_SEQ_NO	T	10			STU_SEQ_NO	N	2	2

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
PORT_STAT		C	2	4	PORT_STAT	DT_TM_STAMP	T	10	
	CODE	C	2	2		CODE	C	1	
	END_EVT_TSTAMP	C	6	1		END_EVT_TSTAMP	T	10	
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4
	PORT_PROV_BR_CODE	T	10	5		PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE					PORT_PROV_CODE	C	6	1
	PORT_TYPE	D	4			PORT_TYPE	C	1	3
	SSCR_EVT_TSTAMP	T	10			SSCR_EVT_TSTAMP	T	10	5
PORT_UNRL_STU		C	12		PORT_UNRL_STU	DT_TM_STAMP	T	10	
	DOB	C	35			DOB	D	4	
	END_EVT_TSTAMP	C	2	4		END_EVT_TSTAMP	T	10	
	FST_NM	C	2	2		FST_NM	C	12	
	LST_NM	C	6	1		LST_NM	C	35	
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4
	PORT_PROV_BR_CODE	T	10	5		PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE	C	9	6		PORT_PROV_CODE	C	6	1
	PORT_TYPE	C	1			PORT_TYPE	C	1	3
	SSCR_EVT_TSTAMP					SSCR_EVT_TSTAMP	T	10	5
	SSN	C	1			SSN	C	9	6
STAT	C	1		STAT	C	1			
PREF_SCH		N	1	6	PREF_SCH	DT_TM_STAMP	T	10	
	FAA_PROF_JUDG_IND	C	1			FAA_PROF_JUDG_IND	C	1	
	HOUSG_CODE	C	2	5		HOUSG_CODE	C	1	
	NO	C	6	4		NO	N	1	6
	PELL_INSTIT_IND	N	4	3		PELL_INSTIT_IND	C	1	
	SCH_BR_CODE	N	9	1		SCH_BR_CODE	C	2	5
	SCH_CODE	N	4	2		SCH_CODE	C	6	4
	STU_DEM_CALNDR_YR					STU_DEM_CALNDR_YR	N	4	3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	STU_NO	C	4	5		STU_NO	N	9	1
	STU_SEQ_NO	C	8	4		STU_SEQ_NO	N	4	2
PRSCRN_APPL		C	9	1	PRSCRN_APPL	DT_TM_STAMP	T	10	
	CPS_AWARD_YR	C	9	2		CPS_AWARD_YR	C	4	5
	CPS_DOB	C	1			CPS_DOB	C	8	4
	CURR_SSN	C	16	3		CURR_SSN	C	9	1
	FST_NM	N	2			FST_NM	C	9	2
	LST_MTCH_RSLT_IND	D	8			LST_MTCH_RSLT_IND	C	1	
	LST_NM					LST_NM	C	16	3
	LST_SEQ_NO_USED	C	1			LST_SEQ_NO_USED	N	2	
	RUN_DT_CR	C	1			RUN_DT_CR	D	8	
PRSCRN_RSLT		C	1		PRSCRN_RSLT	DT_TM_STAMP	T	10	
	ACT_BNKRPT_CHG_FLG	C	1			ACT_BNKRPT_CHG_FLG	C	1	
	ACT_BNKRPT_FLAG	C	1			ACT_BNKRPT_FLAG	C	1	
	ADDL_LOAN_FLAG	N	6			ADDL_LOAN_FLAG	C	1	
	ADDL_PELL_FLAG	N	6			ADDL_PELL_FLAG	C	1	
	AGG_CHG_FLAG	N	6			AGG_CHG_FLAG	C	1	
	AGG_CMBN_OUT_PRIN	C	6	0		AGG_CMBN_OUT_PRIN	N	6	
	AGG_CMBN_PND_DIS	C	6			AGG_CMBN_PND_DIS	N	6	
	AGG_CMBN_TOT	C	6			AGG_CMBN_TOT	N	6	
	AGG_CONSL_PRIN_BAL	C	6			AGG_CONSL_PRIN_BAL	C	6	0
	AGG_CONSL_TOT	C	6			AGG_CONSL_TOT	C	6	
	AGG_SUB_OPB	C	6			AGG_SUB_OPB	C	6	
	AGG_SUB_PEND_DIS	C	6			AGG_SUB_PEND_DIS	C	6	
	AGG_SUB_TOT	C	6			AGG_SUB_TOT	C	6	
	AGG_UNSUB_PEND_DIS	C	4	5		AGG_UNSUB_PEND_DIS	C	6	
	AGG_UNSUB_PRIN_BAL	C	8	4		AGG_UNSUB_PRIN_BAL	C	6	
	AGG_UNSUB_TOT	C	9	1		AGG_UNSUB_TOT	C	6	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	APPL_CPS_AWARD_YR	C	9	2		APPL_CPS_AWARD_YR	C	4	5
	APPL_CPS_DOB	C	16	3		APPL_CPS_DOB	C	8	4
	APPL_CURR_SSN	C	3			APPL_CURR_SSN	C	9	1
	APPL_FST_NM	C	2			APPL_FST_NM	C	9	2
	APPL_LST_NM	C	9			APPL_LST_NM	C	16	3
	CPS_CMPT_NO	C	8			CPS_CMPT_NO	C	3	
	CPS_NM_ID	C	2			CPS_NM_ID	C	2	
	CPS_ORIG_SSN	C	1			CPS_ORIG_SSN	C	9	
	CPS_SBMT_DT	C	1			CPS_SBMT_DT	C	8	
	CPS_TRAN	C	1			CPS_TRAN	C	2	
	DCSD_FLAG	C	1			DCSD_FLAG	C	1	
	DEF_LOAN_CHG_FLAG	C	1			DEF_LOAN_CHG_FLAG	C	1	
	DEF_LOAN_FLAG	C	1			DEF_LOAN_FLAG	C	1	
	DSCHG_LOAN_CHG_FLG	C	1			DSCHG_LOAN_CHG_FLG	C	1	
	DSCHG_LOAN_FLAG	C	1			DSCHG_LOAN_FLAG	C	1	
	MTCH_RSLT_IND	C	8			MTCH_RSLT_IND	C	1	
	OVRPMT_CHG_FLAG	C	1			OVRPMT_CHG_FLAG	C	1	
	PELL_CHG_FLAG	C	1			PELL_CHG_FLAG	C	1	
	PELL_OVRPMT_CON_CD	C	6			PELL_OVRPMT_CON_CD	C	8	
	PELL_OVRPMT_IND	C	1			PELL_OVRPMT_IND	C	1	
	PERK_CHG_FLAG	C	1			PERK_CHG_FLAG	C	1	
	PERK_CURR_YR_DIS	C	8			PERK_CURR_YR_DIS	C	6	
	PERK_DIS_PRIOR_FLG	C	1			PERK_DIS_PRIOR_FLG	C	1	
	PERK_EXP_LEN_FLAG	C	6			PERK_EXP_LEN_FLAG	C	1	
	PERK_OVRPMT_CON_CD	N	9			PERK_OVRPMT_CON_CD	C	8	
	PERK_OVRPMT_IND	N	4			PERK_OVRPMT_IND	C	1	
	PERK_TOT_DIS	C	2			PERK_TOT_DIS	C	6	
	PLUS_BOR_NO	D	8			PLUS_BOR_NO	N	9	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	PLUS_BOR_SEQ_NO	C	2			PLUS_BOR_SEQ_NO	N	4	
	PTSCRN_CPS_RJCT_CD	D	8			PTSCRN_CPS_RJCT_CD	C	2	
	PTSCRN_REQ_DT	T	8			PTSCRN_REQ_DT	D	8	
	PTSCRN_REQ_RSN_CD	C	1			PTSCRN_REQ_RSN_CD	C	2	
	RUN_DT	C	1			RUN_DT	D	8	
	RUN_TM	C	8			RUN_TM	T	8	
	SAT_ARRNG_CHG_FLAG	C	1			SAT_ARRNG_CHG_FLAG	C	1	
	SAT_ARRNG_FLAG	N	2	6		SAT_ARRNG_FLAG	C	1	
	SEOG_OVRPMT_CON_CD	N	9			SEOG_OVRPMT_CON_CD	C	8	
	SEOG_OVRPMT_IND	N	4			SEOG_OVRPMT_IND	C	1	
	SEQ_NO					SEQ_NO	N	2	6
	STU_NO	C	1			STU_NO	N	9	
	STU_SEQ_NO	C	1			STU_SEQ_NO	N	4	
PRSCRN_RSLT_LOAN		C	4	5	PRSCRN_RSLT_LOAN	DT_TM_STAMP	T	10	
	ACAD_LVL	C	8	4		ACAD_LVL	C	1	
	ADDL_UNSUB_FLAG	C	9	1		ADDL_UNSUB_FLAG	C	1	
	APPL_CPS_AWARD_YR	C	9	2		APPL_CPS_AWARD_YR	C	4	5
	APPL_CPS_DOB	C	16	3		APPL_CPS_DOB	C	8	4
	APPL_CURR_SSN	C	16			APPL_CURR_SSN	C	9	1
	APPL_FST_NM	C	1			APPL_FST_NM	C	9	2
	APPL_LST_NM	C	8			APPL_LST_NM	C	16	3
	CAP_INT_FLAG	C	3			CAP_INT_FLAG	C	16	
	CHG_FLAG	C	3			CHG_FLAG	C	1	
	CNTCT	C	2			CNTCT	C	8	
	CNTCT_TYPE	D	8			CNTCT_TYPE	C	3	
	CURR_GA_CODE	C	1			CURR_GA_CODE	C	3	
	CURR_STAT_CODE	N	4			CURR_STAT_CODE	C	2	
	CURR_STAT_DT	N	9			CURR_STAT_DT	D	8	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	DEF_RCNT_IND	N	4			DEF_RCNT_IND	C	1	
	ID_STU_SEQ_NO	C	2			ID_STU_SEQ_NO	N	4	
	LOAN_NO	N	4			LOAN_NO	N	9	
	LOAN_SEQ_NO	C	8			LOAN_SEQ_NO	N	4	
	LOAN_TYPE_CODE	C	8			LOAN_TYPE_CODE	C	2	
	NET_AMT	C	6			NET_AMT	N	4	
	OPE_ID	C	8			OPE_ID	C	8	
	OUT_PRIN_BAL_DT_TX	C	8			OUT_PRIN_BAL_DT_TX	C	8	
	OUT_PRIN_BAL_TEXT	N	2	6		OUT_PRIN_BAL_TEXT	C	6	
	PER_BEG_DT_TEXT	N	2	7		PER_BEG_DT_TEXT	C	8	
	PER_END_DT_TEXT					PER_END_DT_TEXT	C	8	
	RSLT_SEQ_NO	C	1			RSLT_SEQ_NO	N	2	6
	SEQ_NO	N	4			SEQ_NO	N	2	7
PRSCRN_RSLT_PELL		C	4	5	PRSCRN_RSLT_PELL	DT_TM_STAMP	T	10	
	ACCPT_VRFY_STAT	C	8	4		ACCPT_VRFY_STAT	C	1	
	AMT_PAID_TO_DT	C	9	1		AMT_PAID_TO_DT	N	4	
	APPL_CPS_AWARD_YR	C	9	2		APPL_CPS_AWARD_YR	C	4	5
	APPL_CPS_DOB	C	16	3		APPL_CPS_DOB	C	8	4
	APPL_CURR_SSN	C	8			APPL_CURR_SSN	C	9	1
	APPL_FST_NM	N	6			APPL_FST_NM	C	9	2
	APPL_LST_NM	C	8			APPL_LST_NM	C	16	3
	AS_OF_DT_TEXT	N	5			AS_OF_DT_TEXT	C	8	
	EXP_FAM_CONTRIB	N	4			EXP_FAM_CONTRIB	N	6	
	OPE_ID	C	4			OPE_ID	C	8	
	PCT_ELIG_USED_DECM	C	2			PCT_ELIG_USED_DECM	N	5	
	PELL_AWARD_AMT	N	4			PELL_AWARD_AMT	N	4	
	PELL_GRT_AWARD_YR	N	4	6		PELL_GRT_AWARD_YR	C	4	
	PELL_GRT_TYPE	C	2			PELL_GRT_TYPE	C	2	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	REMN_AMT_TO_PAY	C	6			REMN_AMT_TO_PAY	N	4	
	RSLT_SEQ_NO	N	4			RSLT_SEQ_NO	N	4	6
	SCH_BR_CD	N	2	7		SCH_BR_CD	C	2	
	SCH_CD	N	9			SCH_CD	C	6	
	SCHED_AMT	N	2			SCHED_AMT	N	4	
	SEQ_NO	C	2			SEQ_NO	N	2	7
	STU_NO					STU_NO	N	9	
	STU_SEQ_NO	N	4	3		STU_SEQ_NO	N	2	
	TRAN_NO	N	4	2		TRAN_NO	C	2	
REG_AGG		N	9		REG_AGG	DT_TM_STAMP	T	10	
	DESC_DET_ID	C	2	1		DESC_DET_ID	N	4	3
	DESC_ID	N	9			DESC_ID	N	4	2
	DOL_VOL	D	8	4		DOL_VOL	N	9	
	ED_REG_CODE	D	8	5		ED_REG_CODE	C	2	1
	LOAN_VOL	D	8			LOAN_VOL	N	9	
	RPT_BEG_DT					RPT_BEG_DT	D	8	4
	RPT_END_DT	D	8	3		RPT_END_DT	D	8	5
	SYS_CR_DT	C	1	2		SYS_CR_DT	D	8	
REINSUR_CL_PMT		D	8	7	REINSUR_CL_PMT	DT_TM_STAMP	T	10	
	CUM_REQ_AMT	C	3	5		CUM_REQ_AMT	N	6	
	DT	D	8	6		DT	D	8	
	FILE_DT	N	4	2		FILE_DT	D	8	7
	GA_CODE	N	2	4		GA_CODE	C	3	5
	GA_RESP_BEG_DT	N	9	1		GA_RESP_BEG_DT	D	8	6
	ID_STU_SEQ_NO	N	4	3		ID_STU_SEQ_NO	N	4	2
	LOAN_GUA_SEQ_NO	C	1			LOAN_GUA_SEQ_NO	N	2	4
	LOAN_NO	N	6			LOAN_NO	N	9	1
	LOAN_SEQ_NO	C	2			LOAN_SEQ_NO	N	4	3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	REIMB_RT_CODE	D	8			REIMB_RT_CODE	C	1	
	REQ_AMT_DIFF					REQ_AMT_DIFF	N	6	
	RSN_CODE	N	6			RSN_CODE	C	2	
	SYS_CR_DT	N	6			SYS_CR_DT	D	8	
REINSUR_CL_RFD		D	8	7	BNK_CLM_PMT	DT_TM_STAMP	T	10	
	AMT_DIFF	C	3	5		AMT_DIFF	N	6	
	CUM_AMT	D	8	6		CUM_AMT	N	6	
	DT	N	4	2		DT	D	8	7
	GA_CODE	N	2	4		GA_CODE	C	3	5
	GA_RESP_BEG_DT	N	9	1		GA_RESP_BEG_DT	D	8	6
	ID_STU_SEQ_NO	N	4	3		ID_STU_SEQ_NO	N	4	2
	LOAN_GUA_SEQ_NO	D	8			LOAN_GUA_SEQ_NO	N	2	4
	LOAN_NO					LOAN_NO	N	9	1
	LOAN_SEQ_NO	N	6			LOAN_SEQ_NO	N	4	3
	SYS_CR_DT	D	8	4		SYS_CR_DT	D	8	
RPCH_LOAN		N	4	2	RPCH_LOAN	DT_TM_STAMP	T	10	
	AMT	N	9	1		AMT	N	6	
	DT	N	4	3		DT	D	8	4
	ID_STU_SEQ_NO	C	1			ID_STU_SEQ_NO	N	4	2
	LOAN_NO	D	8			LOAN_NO	N	9	1
	LOAN_SEQ_NO					LOAN_SEQ_NO	N	4	3
	REHAB_IND	C	1			REHAB_IND	C	1	
	SYS_CR_DT	C	6	1		SYS_CR_DT	D	8	
RPT_DEST					RPT_DEST	DT_TM_STAMP	T	10	
	AVAILABILITY	C	1	0		AVAILABILITY	C	1	0
	DESCR	C	51	0		DESCR	C	51	0
	DEST_ID	C	8	0		DEST_ID	C	8	0
	NODE_NAME	C	8	0		NODE_NAME	C	8	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	OUTPUT_CLASS	C	1	0		OUTPUT_CLASS	C	1	0
	PRINTER_NAME	C	8	0		PRINTER_NAME	C	8	0
RPT_FORM					RPT_FORM	DT_TM_STAMP	T	10	
	LOC_GP_SYS_TSTAMP	T	10	1		LOC_GP_SYS_TSTAMP	T	10	1
	RMDS_RPT_FORM_ID	C	4	0		RMDS_RPT_FORM_ID	C	4	0
	RPT_PROF_RPT_ID	C	6	2		RPT_PROF_RPT_ID	C	6	2
RPT_PARM					RPT_PARM	DT_TM_STAMP	T	10	
	BAT_TSTAMP	T	10	0		BAT_TSTAMP	T	10	0
	DEST_ID	C	8	0		DEST_ID	C	8	0
	END_TSTAMP	T	10	0		END_TSTAMP	T	10	0
	JCL_MEM	C	8	0		JCL_MEM	C	8	0
	LOC_GP_SYS_TSTAMP	T	10	0		LOC_GP_SYS_TSTAMP	T	10	0
	NODE_NM	C	8	0		NODE_NM	C	8	0
	OPUT_CLASS	C	1	0		OPUT_CLASS	C	1	0
	PARAM_TSTAMP	T	10	1		PARAM_TSTAMP	T	10	1
	PROC_IND	C	1	0		PROC_IND	C	1	0
	PRT_NM	C	8	0		PRT_NM	C	8	0
	RMDS_FORM_ID	C	4	0		RMDS_FORM_ID	C	4	0
	RPT_ID	C	6	2		RPT_ID	C	6	2
	RPT_NM	C	44	0		RPT_NM	C	44	0
	RPT_TYPE	C	1	0		RPT_TYPE	C	1	0
	SORT_CNTL_MEM	C	8	0		SORT_CNTL_MEM	C	8	0
	UID	C	8	0		UID	C	8	0
RPT_PARM_ATTR		C	40	0	RPT_PARM_ATTR	DT_TM_STAMP	T	10	0
	CHAR_VAL	C	40	0		CHAR_VAL	C	40	0
	DT_VAL	D	4	0		DT_VAL	D	4	0
	NUM_VAL	N	12	0		NUM_VAL	N	12	0
	RPT_PARM_RPT_ID	C	6	1		RPT_PARM_RPT_ID	C	6	1

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	RPT_PARM_TSTAMP	T	10	2		RPT_PARM_TSTAMP	T	10	2
	SEQ	N	2	3		SEQ	N	2	3
RPT_PARM_PROF					RPT_PARM_PROF	DT_TM_STAMP	T	10	
	CRS_CK_RPT_PROF_ID	C	6	0		CRS_CK_RPT_PROF_ID	C	6	0
	CRS_CK_SEQ	N	2	0		CRS_CK_SEQ	N	2	0
	CRS_CK_VAL_CODE	C	8	0		CRS_CK_VAL_CODE	C	8	0
	CRS_VAL_SIGN	C	2	0		CRS_VAL_SIGN	C	2	0
	DEF_VAL	C	30	0		DEF_VAL	C	30	0
	DSPL_NM	C	30	0		DSPL_NM	C	30	0
	INCL_FILE_NM	C	30	0		INCL_FILE_NM	C	30	0
	INCL_SBMT_RPT_FLAG	C	1	0		INCL_SBMT_RPT_FLAG	C	1	0
	ORG_TYPE_CODE	C	5	0		ORG_TYPE_CODE	C	5	0
	PARAM_VAL_CODE	C	8	3		PARAM_VAL_CODE	C	8	3
	PRSNT_TYPE_CODE	C	1	0		PRSNT_TYPE_CODE	C	1	0
	RPT_PROF_RPT_ID	C	6	2		RPT_PROF_RPT_ID	C	6	2
	SEQ	N	2	1		SEQ	N	2	1
	WLD_CD_FLAG	C	1	0		WLD_CD_FLAG	C	1	0
RPT_PARM_PROF_VAL					RPT_PARM_PROF_VAL	DT_TM_STAMP	T	10	
	DSPL_TEXT	C	30	0		DSPL_TEXT	C	30	0
	PARAM_VAL_CODE	C	8	3		PARAM_VAL_CODE	C	8	3
	RPT_PARM_PROF_SEQ	N	2	1		RPT_PARM_PROF_SEQ	N	2	1
	RPT_PROF_RPT_ID	C	6	2		RPT_PROF_RPT_ID	C	6	2
	VAL	C	40	4		VAL	C	40	4
RPT_PROF					RPT_PROF	DT_TM_STAMP	T	10	
	JCL_MEM	C	8	0		JCL_MEM	C	8	0
	RPT_DESCN	C	35	0		RPT_DESCN	C	35	0
	RPT_ID	C	6	1		RPT_ID	C	6	1
	RPT_TEXT	C	3000	0		RPT_TEXT	C	3000	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	RPT_TYPE	C	1	0		RPT_TYPE	C	1	0
	STAT	C	1	0		STAT	C	1	0
RPT_SECUR					RPT_SECUR	DT_TM_STAMP	T	10	
	FUNC_GP_SYS_TSTAMP	T	10	1		FUNC_GP_SYS_TSTAMP	T	10	1
	FUT	C	1	0		FUT	C	1	0
	RPT_PROF_RPT_ID	C	6	2		RPT_PROF_RPT_ID	C	6	2
RT		D	8		RT	DT_TM_STAMP			
	BEG_DT	C	2	5		BEG_DT	D	8	3
	CODE	N	5			CODE	C	1	2
	END_DT	D	8			END_DT	D	8	
	LOAN_TYPE_CODE					LOAN_TYPE_CODE	C	2	5
	PCT	N	6			PCT	N	5	
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
RT_CATG					RT_CATG	DT_TM_STAMP	T	10	
	CODE	C	5	1		CODE	C	5	1
	LOAN_TYPE_CODE	C	2	2		LOAN_TYPE_CODE	C	2	2
	SPCL_ALLOW_CATG_CD	C	2	3		SPCL_ALLOW_CATG_CD	C	2	3
SBMTL_CNTL					SBMTL_CNTL	DT_TM_STAMP	T	10	
	LST_NO_USED	N	2	0		LST_NO_USED	N	2	0
	PROV_BR_CODE	C	2	4		PROV_BR_CODE	C	2	4
	PROV_NO	C	6	3		PROV_NO	C	6	3
	PROV_SRC	C	1	2		PROV_SRC	C	1	2
	PROV_TYPE	C	1	1		PROV_TYPE	C	1	1
SBMTL_CNTL_DET					SBMTL_CNTL_DET	DT_TM_STAMP	T	10	
	ACCT	C	8	0		ACCT	C	8	0
	ERR_CNT	N	4	0		ERR_CNT	N	4	0
	LST_SEQ_USED	N	2	0		LST_SEQ_USED	N	2	0
	MSG_KEY	C	20	0		MSG_KEY	C	20	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	MSG_LGTH	N	10	0		MSG_LGTH	N	10	0
	NO	N	2	6		NO	N	2	6
	OPER_ID	C	8	0		OPER_ID	C	8	0
	PROV_CODE	C	8	0		PROV_CODE	C	8	0
	RCD_CNT	N	4	0		RCD_CNT	N	4	0
	RCD_LGTH	N	4	0		RCD_LGTH	N	4	0
	REC_DT	D	4	0		REC_DT	D	4	0
	SBMTL_DT	C	8	5		SBMTL_DT	C	8	5
	SBMTL_PROV_BR_CODE	C	2	4		SBMTL_PROV_BR_CODE	C	2	4
	SBMTL_PROV_NO	C	6	3		SBMTL_PROV_NO	C	6	3
	SBMTL_PROV_SRC	C	1	2		SBMTL_PROV_SRC	C	1	2
	SBMTL_PROV_TYPE	C	1	1		SBMTL_PROV_TYPE	C	1	1
	SOFT_VER	C	5	0		SOFT_VER	C	5	0
	STAT	C	1	0		STAT	C	1	0
	TRANS_MODE	C	1	0		TRANS_MODE	C	1	0
	UPDT_DT	D	4	0		UPDT_DT	D	4	0
	UPDT_TM	T	3	0		UPDT_TM	T	3	0
	USER_ID	C	8	0		USER_ID	C	8	0
SBMTL_ERR_DESCN					SBMTL_ERR_DESCN	DT_TM_STAMP	T	10	
	CORRECT_IND	C	1	0		CORRECT_IND	C	1	0
	MSG	C	80	0		MSG	C	80	0
	MSG_KEY	C	20	1		MSG_KEY	C	20	1
	OPER_ID	C	8	2		OPER_ID	C	8	2
SBMTL_ERR_HIS					SBMTL_ERR_HIS	DT_TM_STAMP	T	10	
	ERR_DESCN_MSG_KEY	C	20	0		ERR_DESCN_MSG_KEY	C	20	0
	ERR_DESCN_OPER_ID	C	8	0		ERR_DESCN_OPER_ID	C	8	0
	PROV_CODE	C	8	0		PROV_CODE	C	8	0
	REC_DT	D	4	0		REC_DT	D	4	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SBMTL_DT	C	8	0		SBMTL_DT	C	8	0
	SBMTL_NOTIF_DT	D	4	5		SBMTL_NOTIF_DT	D	4	5
	SBMTL_PROV_BR_CODE	C	2	4		SBMTL_PROV_BR_CODE	C	2	4
	SBMTL_PROV_NO	C	6	3		SBMTL_PROV_NO	C	6	3
	SBMTL_PROV_SRC	C	1	2		SBMTL_PROV_SRC	C	1	2
	SBMTL_PROV_TYPE	C	1	1		SBMTL_PROV_TYPE	C	1	1
	SEQ_NO	N	2	6		SEQ_NO	N	2	6
	TRANS_MODE	C	1	0		TRANS_MODE	C	1	0
	UPDT_DT	D	4	0		UPDT_DT	D	4	0
	UPDT_TM	T	3	0		UPDT_TM	T	3	0
	WAN_ID	C	8	0		WAN_ID	C	8	0
SCH		C	1		SCH	DT_TM_STAMP	T	10	
	CERT_TYPE	C	1			CERT_TYPE	C	1	
	CODE	C	65			CODE	C	6	1
	DEG_GRT_IND	N	2			DEG_GRT_IND	C	1	
	ETNC_CODE	N	2			ETNC_CODE	C	1	
	NM	C	2			NM	C	65	
	PROG_LTH	D	8			PROG_LTH	N	2	
	SCH_TYPE	C	1			SCH_TYPE	N	2	
	ST					ST	C	2	
	SYS_CR_DT	C	2			SYS_CR_DT	D	8	
	TYPE_AND_CNTL	C	1			TYPE_AND_CNTL	C	1	
SCH_BR		C	1		SCH_BR	DT_TM_STAMP	T	10	
	ACAD_CALNDR	C	20			ACAD_CALNDR	C	2	
	APPR_IND	D	8			APPR_IND	C	1	
	BR_IND	C	20			BR_IND	C	1	
	CITY	C	3			CITY	C	20	
	CLOSE_DT	C	1			CLOSE_DT	D	8	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	CNTRY	D	8			CNTRY	C	20	
	CNTY_CODE	C	2	2		CNTY_CODE	C	3	
	COA_ACTN_CODE	C	8			COA_ACTN_CODE	C	1	
	COA_EFF_DT	C	6			COA_EFF_DT	D	8	
	CODE	C	6			CODE	C	2	2
	CONG_DIS	C	6			CONG_DIS	C	8	
	CURR_CMPS_BASED_ID	C	6			CURR_CMPS_BASED_ID	C	6	
	CURR_FDSLP_ID	C	1			CURR_FDSLP_ID	C	6	
	CURR_FED_SCH_CODE	C	6			CURR_FED_SCH_CODE	C	6	
	CURR_FFEL_ID	C	9			CURR_FFEL_ID	C	6	
	CURR_OPER_IND	D	8			CURR_OPER_IND	C	1	
	CURR_PELL_ID	C	2			CURR_PELL_ID	C	6	
	CURR_TIN	C	1			CURR_TIN	C	9	
	DSPR_DT	C	2			DSPR_DT	D	8	
	ED_REG_CODE	C	25			ED_REG_CODE	C	2	
	ELIG_STAT_IND	D	8			ELIG_STAT_IND	C	1	
	FAADS_CODE	C	2			FAADS_CODE	C	2	
	FORN_PROV_NM	C	65			FORN_PROV_NM	C	25	
	INIT_APPR_DT	D	8			INIT_APPR_DT	D	8	
	LOC_RSN	D	8			LOC_RSN	C	2	
	NM	D	8			NM	C	65	
	PPA_EXEC_DT	C	6	1		PPA_EXEC_DT	D	8	
	PPA_EXPR_DT	C	65			PPA_EXPR_DT	D	8	
	PPA_SENT_DT	N	2			PPA_SENT_DT	D	8	
	SCH_CODE	N	2			SCH_CODE	C	6	1
	SCH_NM	C	8			SCH_NM	C	65	
	SCH_PROG_LGTH	C	1			SCH_PROG_LGTH	N	2	
	SCH_TYPE	C	2			SCH_TYPE	N	2	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SIC_CODE	C	50			SIC_CODE	C	8	
	SRTY	C	1			SRTY	C	1	
	ST	C	9			ST	C	2	
	STR_ADD					STR_ADD	C	50	
	SYS_FUND_OFC	N	4	4		SYS_FUND_OFC	C	1	
	ZIP_CODE	N	4	3		ZIP_CODE	C	9	
SCH_BR_AGG		N	9		SCH_BR_AGG	DT_TM_STAMP	T	10	
	DESC_DET_ID	N	9			DESC_DET_ID	N	4	4
	DESC_ID	D	8	5		DESC_ID	N	4	3
	DOL_VOL	D	8	6		DOL_VOL	N	9	
	LOAN_VOL	C	2	2		LOAN_VOL	N	9	
	RPT_BEG_DT	C	6	1		RPT_BEG_DT	D	8	5
	RPT_END_DT	D	8			RPT_END_DT	D	8	6
	SCH_BR_CODE					SCH_BR_CODE	C	2	2
	SCH_CODE	C	4	3		SCH_CODE	C	6	1
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
SCH_BR_DLOAN_ORIGN		C	2		SCH_BR_DLOAN_ORIGN	DT_TM_STAMP	T	10	
	AWARD_YR	C	1			AWARD_YR	C	4	3
	END_DT	C	2			END_DT	D	8	
	ORIGN_END_RSN	C	2	2		ORIGN_END_RSN	C	2	
	ORIGN_LVL	C	2	1		ORIGN_LVL	C	1	
	PROG_END_RSN	D	8			PROG_END_RSN	C	2	
	SCH_BR_CODE					SCH_BR_CODE	C	2	2
	SCH_CODE	C	10	5		SCH_CODE	C	2	1
	START_DT	C	2	2		START_DT	D	8	
SCH_BR_DUNS_NO		C	6	1	SCH_BR_DUNS_NO	DT_TM_STAMP	T	10	
	NO	C	8	3		NO	C	10	5
	SCH_BR_CODE	C	8			SCH_BR_CODE	C	2	2

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SCH_CODE					SCH_CODE	C	6	1
	SYS_BEG_DT	C	6	1		SYS_BEG_DT	C	8	3
	SYS_END_DT	C	1	2		SYS_END_DT	C	8	
SCH_BR_CODE_XREF		C	2	4	SCH_BR_CODE_XREF	DT_TM_STAMP	T	10	
	CODE	C	2	3		CODE	C	6	1
	MNG_PROG_TYPE					MNG_PROG_TYPE	C	1	2
	SCH_BR_CODE	N	4	2		SCH_BR_CODE	C	2	4
	SCH_CODE	N	9	1		SCH_CODE	C	2	3
SCH_BR_HOL_SVR		N	4	3	SCH_BR_HOL_SVR	DT_TM_STAMP	T	10	
	ID_STU_SEQ_NO	D	8	5		ID_STU_SEQ_NO	N	4	2
	LOAN_NO	D	8			LOAN_NO	N	9	1
	LOAN_SEQ_NO	C	6	4		LOAN_SEQ_NO	N	4	3
	RESP_BEG_DT					RESP_BEG_DT	D	8	5
	RESP_END_DT	C	2			RESP_END_DT	D	8	
	SVR_CODE	C	2			SVR_CODE	C	6	4
SCH_BR_PROG					SCH_BR_PROG	DT_TM_STAMP	T	10	
	APPR_IND	C	1	5		APPR_IND	C	1	5
	END_DT	D	8			END_DT	D	8	
	PROG_CODE	C	2	3		PROG_CODE	C	2	3
	SCH_BR_CODE	C	2	2		SCH_BR_CODE	C	2	2
	SCH_CODE	C	6	1		SCH_CODE	C	6	1
	START_DT	D	8	4		START_DT	D	8	4
	SYS_BEG_DT	D	8	6		SYS_BEG_DT	D	8	6
	SYS_END_DT	D	8			SYS_END_DT	D	8	
SCH_BR_STAT_HIS		D	8	3	SCH_BR_STAT_HIS	DT_TM_STAMP	T	10	
	ACTN_CODE	C	2	2		ACTN_CODE	C	2	
	ACTN_RSN_CODE	C	6	1		ACTN_RSN_CODE	C	2	
	DT	D	8	4		DT	D	8	3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SCH_BR_CODE	C	1			SCH_BR_CODE	C	2	2
	SCH_CODE					SCH_CODE	C	6	1
	SYS_CR_DT	C	20			SYS_CR_DT	D	8	4
	VAL_IND	C	20			VAL_IND	C	1	
SCH_BR_SVR		C	6	1	PERK_SVR	DT_TM_STAMP	T	10	
	CITY	C	65			CITY	C	20	
	CNTRY	C	2			CNTRY	C	20	
	CODE	C	50			CODE	C	6	1
	NM	D	8			NM	C	65	
	ST	C	9			ST	C	2	
	STR_ADD					STR_ADD	C	50	
	SYS_CR_DT	N	4	3		SYS_CR_DT	D	8	
	ZIP_CODE	N	4	2		ZIP_CODE	C	9	
SCH_BR_SVR_AGG		N	9		SCH_BR_SVR_AGG	DT_TM_STAMP	T	10	
	DESC_DET_ID	N	9			DESC_DET_ID	N	4	3
	DESC_ID	D	8	4		DESC_ID	N	4	2
	DOL_VOL	D	8	5		DOL_VOL	N	9	
	LOAN_VOL	C	6	1		LOAN_VOL	N	9	
	RPT_BEG_DT	D	8			RPT_BEG_DT	D	8	4
	RPT_END_DT					RPT_END_DT	D	8	5
	SVR_CODE	C	2	2		SVR_CODE	C	6	1
	SYS_CR_DT	C	6	1		SYS_CR_DT	D	8	
SCH_BR_TRAN_HIS		C	2	4	SCH_BR_TRAN_HIS	DT_TM_STAMP	T	10	
	NEW_SCH_BR_CODE	C	6	3		NEW_SCH_BR_CODE	C	2	2
	NEW_SCH_CODE	D	8	5		NEW_SCH_CODE	C	6	1
	OLD_SCH_BR_CODE					OLD_SCH_BR_CODE	C	2	4
	OLD_SCH_CODE	C	1			OLD_SCH_CODE	C	6	3
	SYS_CR_DT	C	2			SYS_CR_DT	D	8	5

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
SCH_ORIGN_HIS		C	3		SCH_ORIGN_HIS	DT_TM_STAMP	T	10	
	CURR_IND	D	8	2		CURR_IND	C	1	
	FDSLSP_SVR_BR_CODE	C	1			FDSLSP_SVR_BR_CODE	C	2	
	FDSLSP_SVR_CODE	C	6	1		FDSLSP_SVR_CODE	C	3	
	ORIGN_EFF_DT					ORIGN_EFF_DT	D	8	2
	ORIGN_TYPE	D	8			ORIGN_TYPE	C	1	
	SCH_CODE	D	8			SCH_CODE	C	6	1
SCH_SBMTL_HIS		N	8	2	PERK_SBMTL_HIS	DT_TM_STAMP	T	10	
	ACT_SBMTL_DT	N	9			ACT_SBMTL_DT	D	8	
	ALL_ERR_RESLV_DT	N	9			ALL_ERR_RESLV_DT	D	8	
	CODE	N	4			CODE	N	8	2
	CUM_ERR_CNT	N	5			CUM_ERR_CNT	N	9	
	CUM_RUN_TOT	N	2			CUM_RUN_TOT	N	9	
	DAY_LT	C	1			DAY_LT	N	4	
	ERR_RT	D	8			ERR_RT	N	5	
	FREQ_IND	T	8			FREQ_IND	N	2	
	INIT_IND	N	9			INIT_IND	C	1	
	JOB_COMPL_DT	N	9			JOB_COMPL_DT	D	8	
	JOB_COMPL_TM	N	9			JOB_COMPL_TM	T	8	
	LVL_ONE_ERR_TOT	N	9			LVL_ONE_ERR_TOT	N	9	
	LVL_THREE_ERR_TOT	D	8			LVL_THREE_ERR_TOT	N	9	
	LVL_TWO_ERR_TOT	D	8	1		LVL_TWO_ERR_TOT	N	9	
	NOTIF_HIS_ID	C	1			NOTIF_HIS_ID	N	9	
	RECD_DT	N	9			RECD_DT	D	8	
	SCHED_SBMTL_DT					SCHED_SBMTL_DT	D	8	1
	STAT	D	8	3		STAT	C	1	
	TOT_RCD_PROC	N	4	9		TOT_RCD_PROC	N	9	
SCH_SBMTL_RUN_ERR		C	1		PERK_SBMTL_RUN_ERR	DT_TM_STAMP	T	10	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	DOB	N	3	8		DOB	D	8	3
	ERR_CODE	C	1	7		ERR_CODE	N	4	9
	ERR_SRC_IND	D	8			ERR_SRC_IND	C	1	
	FLD_IN_ERR_CODE	N	8	1		FLD_IN_ERR_CODE	N	3	8
	RCD_TYPE_IND	D	8	10		RCD_TYPE_IND	C	1	7
	RESLT_DT	D	8	6		RESLT_DT	D	8	
	SBMTL_HIS_CODE	C	1			SBMTL_HIS_CODE	N	8	1
	SBMTL_HIS_SBMTL_DT	C	12	4		SBMTL_HIS_SBMTL_DT	D	8	10
	SCH_DT	C	9	2		SCH_DT	D	8	6
	STAT	C	4	5		STAT	C	1	
	STU_FST					STU_FST	C	12	4
	STU_SSN	N	6			STU_SSN	C	9	2
	TYPE	N	6			TYPE	C	4	5
SPA_PMT		D	8	7	SPA_PMT	DT_TM_STAMP	T	10	
	AMT_DIFF	C	3	5		AMT_DIFF	N	6	
	CUM_AMT	D	8	6		CUM_AMT	N	6	
	DT	N	4	2		DT	D	8	7
	GA_CODE	N	2	4		GA_CODE	C	3	5
	GA_RESP_BEG_DT	N	9	1		GA_RESP_BEG_DT	D	8	6
	ID_STU_SEQ_NO	N	4	3		ID_STU_SEQ_NO	N	4	2
	LOAN_GUA_SEQ_NO					LOAN_GUA_SEQ_NO	N	2	4
	LOAN_NO	N	2	3		LOAN_NO	N	9	1
	LOAN_SEQ_NO	D	8			LOAN_SEQ_NO	N	4	3
SPCL_ALLOW_CATG					SPCL_ALLOW_CATG	DT_TM_STAMP	T	10	
	CODE	C	2	1		CODE	C	2	1
SPCL_ALLOW_DEF					SPCL_ALLOW_DEF	DT_TM_STAMP	T	10	
	FLAG	C	1	0		FLAG	C	1	0
	ID	N	2	1		ID	N	2	1

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	LOAN_BEG_DT	D	4	0		LOAN_BEG_DT	D	4	0
	LOAN_END_DT	D	4	0		LOAN_END_DT	D	4	0
	LOAN_STAT_CODE	C	2	0		LOAN_STAT_CODE	C	2	0
	SPCL_ALLOW_CODE	C	2	2		SPCL_ALLOW_CODE	C	2	2
SSCR_CYCLE		C	1		SSCR_CYCLE	DT_TM_STAMP	T	10	
	CYCLE_NO	C	2	2		CYCLE_NO	N	2	3
	DT_LST_GEN	C	6	1		DT_LST_GEN	D	8	
	RQRD_IND					RQRD_IND	C	1	
	SCH_BR_CODE	C	6	1		SCH_BR_CODE	C	2	2
	SCH_CODE	C	2	2		SCH_CODE	C	6	1
SSCR_DELIQ_LTR		T	10	3	SSCR_DELIQ_LTR	DT_TM_STAMP	T	10	
	SCH_CODE	C	1	4		SCH_CODE	C	6	1
	SCH_BR_CODE	D	8			SCH_BR_CODE	C	2	2
	SSCR_TRSMTL_TSTAMP					SSCR_TRSMTL_TSTAMP	T	10	3
	CODE	C	2	12		CODE	C	1	4
	DT	T	10			DT	D	8	
SSCR_ERR_DET		C	30		SSCR_ERR_DET	DT_TM_STAMP	T	10	
	CODE	C	2	4		CODE	C	2	12
	END_EVT_TSTAMP	C	2	2		END_EVT_TSTAMP	T	10	
	EXPL	C	6	1		EXPL	C	30	
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4
	PORT_PROV_BR_CODE	D	8	7		PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE	C	1	6		PORT_PROV_CODE	C	6	1
	PORT_TYPE	T	10	5		PORT_TYPE	C	1	3
	RTN_SUM_CERT_DT	C	1			RTN_SUM_CERT_DT	D	8	7
	RTN_SUM_RTN_TYPE	C	20	11		RTN_SUM_RTN_TYPE	C	1	6
	SSCR_EVT_TSTAMP	C	8	10		SSCR_EVT_TSTAMP	T	10	5
	STAT	C	12	9		STAT	C	1	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	STU_BR_ID_CODE	C	9	8		STU_BR_ID_CODE	C	20	11
	STU_DOB					STU_DOB	C	8	10
	STU_FST_NM	C	8			STU_FST_NM	C	12	9
	STU_SSN	C	1			STU_SSN	C	9	8
SSCR_EVT		T	10	1	SSCR_EVT	DT_TM_STAMP	T	10	
	AGT	C	2			AGT	C	8	
	METHOD					METHOD	C	1	
	TSTAMP	N	4	1		TSTAMP	T	10	1
	TYPE	N	2	2		TYPE	C	2	
SSCR_FUT_EVAL		C	6	3	SSCR_FUT_EVAL	DT_TM_STAMP	T	10	
	STU_NO	D	2	4		STU_NO	N	4	1
	STU_SEQ_NO	D	4	5		STU_SEQ_NO	N	2	2
	SCH_CODE	C	1			SCH_CODE	C	6	3
	SCH_BR_CODE					SCH_BR_CODE	D	2	4
	EVAL_DT	C	1			EVAL_DT	D	4	5
	SRC_TYPE			2		SRC_TYPE	C	1	
SSCR_LTR_GEN		C	2	2	SSCR_LTR_GEN	DT_TM_STAMP	T	10	
	CODE	C	6	1		CODE	C	1	
	PORT_FUNC	C	1	3		PORT_FUNC			2
	PORT_PROV_BR_CODE	T	10	5		PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE					PORT_PROV_CODE	C	6	1
	PORT_TYPE	D	8			PORT_TYPE	C	1	3
	SSCR_EVT_TSTAMP	C	2	4		SSCR_EVT_TSTAMP	T	10	5
SSCR_PERF		C	2	2	SSCR_PERF	DT_TM_STAMP	T	10	
	MOST_RCT_SSCR_RPT	C	6	1		MOST_RCT_SSCR_RPT	D	8	
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4
	PORT_PROV_BR_CODE	T	10	5		PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE	N	4			PORT_PROV_CODE	C	6	1

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	PORT_TYPE	N	4			PORT_TYPE	C	1	3
	SSCR_EVT_TSTAMP	N	4			SSCR_EVT_TSTAMP	T	10	5
	STU_CERT_LMT1	N	4			STU_CERT_LMT1	N	4	
	STU_CERT_LMT2	N	4			STU_CERT_LMT2	N	4	
	STU_CERT_LMT3	N	4			STU_CERT_LMT3	N	4	
	STU_CERT_LMT4	N	4			STU_CERT_LMT4	N	4	
	STU_CERT_LMT5	N	4			STU_CERT_LMT5	N	4	
	STU_IN_PORT_UNCT	N	4			STU_IN_PORT_UNCT	N	4	
	STU_PORT_CERT_LMT1	N	4			STU_PORT_CERT_LMT1	N	4	
	STU_PORT_CERT_LMT2	N	4			STU_PORT_CERT_LMT2	N	4	
	STU_PORT_CERT_LMT3	N	4			STU_PORT_CERT_LMT3	N	4	
	STU_PORT_CERT_LMT4					STU_PORT_CERT_LMT4	N	4	
	STU_PORT_CERT_LMT5	D	8			STU_PORT_CERT_LMT5	N	4	
	TOT_STU_IN_PORT	D	8			TOT_STU_IN_PORT	N	4	
SSCR_PROC_WAIV		D	8		SSCR_PROC_WAIV	DT_TM_STAMP	T	10	
	APPR_DT	T	10			APPR_DT	D	8	
	BEG_DT	C	2	4		BEG_DT	D	8	
	END_DT	C	2	2		END_DT	D	8	
	END_EVT_TSTAMP	C	6	1		END_EVT_TSTAMP	T	10	
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4
	PORT_PROV_BR_CODE	C	60			PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE	T	10	5		PORT_PROV_CODE	C	6	1
	PORT_TYPE	C	1			PORT_TYPE	C	1	3
	RSN					RSN	C	60	
	SSCR_EVT_TSTAMP	C	2	4		SSCR_EVT_TSTAMP	T	10	5
	VAL_IND	C	2	2		VAL_IND	C	1	
SSCR_REGEN		C	6	1	SSCR_REGEN	DT_TM_STAMP	T	10	
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	PORT_PROV_BR_CODE	T	10			PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE	D	8	6		PORT_PROV_CODE	C	6	1
	PORT_TYPE	T	10	5		PORT_TYPE	C	1	3
	REGEN_TSTAMP					REGEN_TSTAMP	T	10	
	SSCR_DIST_SCHED_DT	D	8			SSCR_DIST_SCHED_DT	D	8	6
	SSCR_EVT_TSTAMP	D	8			SSCR_EVT_TSTAMP	T	10	5
SSCR_ROS_CURR_VAL		C	1		SSCR_ROS_CURR_VAL	DT_TM_STAMP	T	10	
	ANTIC_COMPL_DT	D	8			ANTIC_COMPL_DT	D	8	
	CERT_DT	C	2	6		CERT_DT	D	8	
	ENRL_CODE	C	2	4		ENRL_CODE	C	1	
	ENRL_EFF_DT	C	6	3		ENRL_EFF_DT	D	8	
	PORT_FUNC	C	1	5		PORT_FUNC	C	2	6
	PORT_PROV_BR_CODE	C	20			PORT_PROV_BR_CODE	C	2	4
	PORT_PROV_CODE	C	1			PORT_PROV_CODE	C	6	3
	PORT_TYPE	C	12			PORT_TYPE	C	1	5
	STU_BR_ID_CODE	C	35			STU_BR_ID_CODE	C	20	
	STU_CUR_PSEUDO_IND	C	9	3		STU_CUR_PSEUDO_IND	C	1	
	STU_CURR_FST	D	8			STU_CURR_FST	C	12	
	STU_CURR_LST	C	1			STU_CURR_LST	C	35	
	STU_CURR_SSN	N	9	1		STU_CURR_SSN	C	9	3
	STU_DOB	N	2	2		STU_DOB	D	8	
	STU_MID_INIT					STU_MID_INIT	C	1	
	STU_NO	N	4	1		STU_NO	N	9	1
	STU_SEQ_NO	N	2	2		STU_SEQ_NO	N	2	2
SSCR_RPTD_ENRL		C	6	3	SSCR_RPTD_ENRL	DT_TM_STAMP	T	10	
	STU_NO	C	2	4		(STU_NO	N	4	1
	STU_SEQ_NO	T	10	5		STU_SEQ_NO	N	2	2
	SCH_CODE	C	1			SCH_CODE	C	6	3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SCH_BR_CODE	D	8			SCH_BR_CODE	C	2	4
	SYS_CR_TSTAMP	D	8			SYS_CR_TSTAMP	T	10	5
	METHOD	C	1			METHOD	C	1	
	CERT_DT	D	8			CERT_DT	D	8	
	EFF_DT					EFF_DT	D	8	
	ENRL_CODE	C	2	4		ENRL_CODE	C	1	
	ANTIC_COMPL_DT	C	2	2		ANTIC_COMPL_DT	D	8	
SSCR_RQTD_RTN_SUM		C	5	1	SSCR_RQTD_RTN_SUM	DT_TM_STAMP	T	10	
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4
	PORT_PROV_BR_CODE	C	8	6		PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE	T	10	5		PORT_PROV_CODE	C	5	1
	PORT_TYPE	N	4			PORT_TYPE	C	1	3
	RTN_BY_UID	N	4			RTN_BY_UID	C	8	6
	SSCR_EVT_TSTAMP					SSCR_EVT_TSTAMP	T	10	5
	TOT_SCH	N	7			TOT_SCH	N	4	
	TOT_STU_RCD	D	8			TOT_STU_RCD	N	4	
SSCR_RTN_HIS		N	7		SSCR_RTN_HIS	DT_TM_STAMP	T	10	
	ERR_RCD_TOT	N	7			ERR_RCD_TOT	N	7	
	ERR_TRSMTL_DT	C	1			ERR_TRSMTL_DT	D	8	
	RCD_ADD_TOT	D	8	4		RCD_ADD_TOT	N	7	
	RCD_RTN_TOT	C	2	2		RCD_RTN_TOT	N	7	
	REQ_TYPE	C	6	1		REQ_TYPE	C	1	
	RTN_DT	Q	26	3		RTN_DT	D	8	4
	SCH_BR_CODE	N	7			SCH_BR_CODE	C	2	2
	SCH_CODE					SCH_CODE	C	6	1
	SSCR_TRSMTL_TSTAMP	C	8			SSCR_TRSMTL_TSTAMP	Q	26	3
	VAL_RCD_TOT	D	8	7		VAL_RCD_TOT	N	7	
SSCR_RTN_SUM		C	2	4	SSCR_RTN_SUM	DT_TM_STAMP	T	10	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	ACK_WAN_ID	C	2	2		ACK_WAN_ID	C	8	
	CERT_DT	C	6	1		CERT_DT	D	8	7
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4
	PORT_PROV_BR_CODE	N	4			PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE	C	8			PORT_PROV_CODE	C	6	1
	PORT_TYPE	C	1	6		PORT_TYPE	C	1	3
	RCD_IN_ERR_RTN	C	2			RCD_IN_ERR_RTN	N	4	
	RTN_BY_UID	T	10	5		RTN_BY_UID	C	8	
	RTN_TYPE	T	10			RTN_TYPE	C	1	6
	SCH_EDT_PROG	N	4			SCH_EDT_PROG	C	2	
	SCH_EVT_TSTAMP	N	4			SCH_EVT_TSTAMP	T	10	5
	SYS_LST_UPDT_TSTMP	N	4			SYS_LST_UPDT_TSTMP	T	10	
	TOT_RCD_RECD					TOT_RCD_RECD	N	4	
	VAL_REC_RECD	C	8			VAL_REC_RECD	N	4	
	XFER_RECD	C	8			XFER_RECD	N	4	
SSCR_SCHED_DISTR		T	10		SSCR_SCHED_DISTR	DT_TM_STAMP	T	10	
	DISTR_NSLDS_ID	N	4			DISTR_NSLDS_ID	C	8	
	DISTR_WAN_ID	D	8			DISTR_WAN_ID	C	8	
	END_EVT_TSTAMP	C	8			END_EVT_TSTAMP	T	10	
	NO_OF_RCD_DISTR	C	2	4		NO_OF_RCD_DISTR	N	4	
	ORIG_CR_DT	C	2	2		ORIG_CR_DT	D	8	
	ORIG_CR_UID	C	6	1		ORIG_CR_UID	C	8	
	PORT_FUNC	C	1	3		PORT_FUNC	C	2	4
	PORT_PROV_BR_CODE	D	8	6		PORT_PROV_BR_CODE	C	2	2
	PORT_PROV_CODE	T	10	5		PORT_PROV_CODE	C	6	1
	PORT_TYPE	C	1			PORT_TYPE	C	1	3
	SCHED_DATE	C	1			SCHED_DATE	D	8	6
	SSCR_EVT_TSTAMP					SSCR_EVT_TSTAMP	T	10	5

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	TYPE	C	8			TYPE	C	1	
	VAL_IND	D	8			VAL_IND	C	1	
SSCR_TRSMTL_DET		D	8		SSCR_TRSMTL_DET	DT_TM_STAMP	T	10	
	COMPLD_ONLN_USER	C	2	2		COMPLD_ONLN_USER	C	8	
	DATA_PROV_FRWD_DT	C	6	1		DATA_PROV_FRWD_DT	D	8	
	RTN_DT	N	7	4		RTN_DT	D	8	
	SCH_BR_CODE	C	1			SCH_BR_CODE	C	2	2
	SCH_CODE	N	6			SCH_CODE	C	6	1
	SSCR_SEQ_NO	Q	26	3		SSCR_SEQ_NO	N	7	4
	SSCR_STAT_FLAG	N	9	1		SSCR_STAT_FLAG	C	1	
	SSCR_STAT_NO	N	4	2		SSCR_STAT_NO	N	6	
	SSCR_TRSMTL_TSTAMP					SSCR_TRSMTL_TSTAMP	Q	26	3
	STU_NO	Q	20	3		STU_NO	N	9	1
	STU_SEQ_NO	N	7			STU_SEQ_NO	N	4	2
SSCR_TRSMTL_HIS		C	2	2	SSCR_TRSMTL_HIS	DT_TM_STAMP	T	10	
	JOB_TSTAMP	C	6	1		JOB_TSTAMP	Q	20	3
	RCD_SENT_TOT	C	1			RCD_SENT_TOT	N	7	
	SCH_BR_CODE					SCH_BR_CODE	C	2	2
	SCH_CODE	C	6			SCH_CODE	C	6	1
	TYPE	C	2			TYPE	C	1	
SSCR_TRSMTL_INFO		T	10		SSCR_TRSMTL_INFO	DT_TM_STAMP	T	10	
	SCH_CODE	N	4			SCH_CODE	C	6	
	SCH_BR_CODE	C	12			SCH_BR_CODE	C	2	
	JOB_TSTAMP	C	35			JOB_TSTAMP	T	10	
	SSCR_SEQ_NO	C	1			SSCR_SEQ_NO	N	4	
	FST	C	9			FST	C	12	
	LST	D	8			LST	C	35	
	MID_INIT	N	1			MID_INIT	C	1	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SSN	C	1			SSN	C	9	
	DOB	D	8			DOB	D	8	
	STU_ADD_NO					STU_ADD_NO	N	1	
	STAT_IND	N	4	3		STAT_IND	C	1	
	SSCR_RTN_TO_SCH_DT	N	4	2		SSCR_RTN_TO_SCH_DT	D	8	
SSCR_WAIV					SSCR_WAIV	DT_TM_STAMP	T	10	
	SCH_CODE	C	6	1		SCH_CODE	C	6	1
	SCH_BR_CODE	C	2			SCH_BR_CODE	C	2	
	UPDT_USER_ID	C	8			UPDT_USER_ID	C	8	
	APPR_BY	C	50			APPR_BY	C	50	
	APPR_DT	D	8			APPR_DT	D	8	
	BEG_DT	D	8			BEG_DT	D	8	
	END_DT	D	8			END_DT	D	8	
ST_AGG		N	9		ST_AGG	DT_TM_STAMP	T	10	
	DESC_DET_ID	N	9			DESC_DET_ID	N	4	3
	DESC_ID	D	8	4		DESC_ID	N	4	2
	DOL_VOL	D	8	5		DOL_VOL	N	9	
	LOAN_VOL	C	2	1		LOAN_VOL	N	9	
	RPT_BEG_DT	D	8			RPT_BEG_DT	D	8	4
	RPT_END_DT					RPT_END_DT	D	8	5
	ST	C	1			ST	C	2	1
	SYS_CR_DT	C	12			SYS_CR_DT	D	8	
STU		C	35		STU	DT_TM_STAMP	T	10	
	CITZ	C	1			CITZ	C	1	
	CURR_FST	C	9			CURR_FST	C	12	
	CURR_LST	N	4			CURR_LST	C	35	
	CURR_PSEUDO_IND	D	8			CURR_PSEUDO_IND	C	1	
	CURR_SSN	C	30			CURR_SSN	C	9	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	DEM_REQ_YR	C	2			DEM_REQ_YR	N	4	
	DOB	N	4			DOB	D	8	
	DRIV_LIC_NO	C	1			DRIV_LIC_NO	C	30	
	DRIV_LIC_ST	N	9	1		DRIV_LIC_ST	C	2	
	LST_LOAN_SEQ_NO	N	4	2		LST_LOAN_SEQ_NO	N	4	
	MID_INIT	C	2			MID_INIT	C	1	
	NO	C	1			NO	N	9	1
	SEQ_NO					SEQ_NO	N	4	2
	ST	C	24			ST	C	2	
	STAT	C	25			STAT	C	1	
STU_ADD		C	1		STU_ADD	DT_TM_STAMP	T	10	
	CITY	D	8			CITY	C	24	
	CNTRY	N	4	3		CNTRY	C	25	
	CURR_FLAG	D	8			CURR_FLAG	C	1	
	EFF_DT	C	8			EFF_DT	D	8	
	NO	C	8			NO	N	4	3
	RECFM_DT	C	2			RECFM_DT	D	8	
	SRC_CAT	C	35			SRC_CAT	C	8	
	SRC_CODE	C	35			SRC_CODE	C	8	
	ST	N	9	1		ST	C	2	
	STR_ADD_LINE_1	N	4	2		STR_ADD_LINE_1	C	35	
	STR_ADD_LINE_2	N	1			STR_ADD_LINE_2	C	35	
	STU_NO	C	14			STU_NO	N	9	1
	STU_SEQ_NO					STU_SEQ_NO	N	4	2
	TYPE	D	8			TYPE	N	1	
	ZIP_CODE	D	8			ZIP_CODE	C	14	
STU_BR		C	1		STU_BR	DT_TM_STAMP	T	10	
	ANTIC_COMPL_DT	C	2	4		ANTIC_COMPL_DT	D	8	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	EFF_DT	C	6	3		EFF_DT	D	8	
	ENRL_CODE	N	4			ENRL_CODE	C	1	
	SCH_BR_CODE	N	9	1		SCH_BR_CODE	C	2	4
	SCH_CODE	N	4	2		SCH_CODE	C	6	3
	STU_ADD_NO	D	8			STU_ADD_NO	N	4	
	STU_NO	C	1			STU_NO	N	9	1
	STU_SEQ_NO					STU_SEQ_NO	N	4	2
	SYS_CR_DT	T	10	5		SYS_CR_DT	D	8	
	VAL_IND	C	20			VAL_IND	C	1	
STU_BR_ID		T	10		STU_DESIG	DT_TM_STAMP	T	10	
	BEG_TSTAMP	C	2	4		BEG_TSTAMP	T	10	5
	CODE	C	6	3		CODE	C	20	
	END_STATMP	N	9	1		END_STATMP	T	10	
	SCH_BR_CODE	N	2	2		SCH_BR_CODE	C	2	4
	SCH_CODE					SCH_CODE	C	6	3
	STU_NO	N	4	1		STU_NO	N	9	1
	STU_SEQ_NO	N	3	2		STU_SEQ_NO	N	2	2
STU_BR_DESG		C	6	3	STU_BR_DESG	DT_TM_STAMP	T	10	
	STU_NO	C	2	4		STU_NO	N	4	1
	STU_SEQ_NO	C	2			STU_SEQ_NO	N	3	2
	SCH_CODE					SCH_CODE	C	6	3
	SCH_BR_CODE	N	4	1		SCH_BR_CODE	C	2	4
	CODE	N	2	2		CODE	C	2	
STU_BR_ERR_HIS		N	2	3	STU_BR_ERR_HIS	DT_TM_STAMP	T	10	
	LOAN_NO	N	4	4		LOAN_NO	N	4	1
	ID_STU_SEQ_NO	N	2	5		ID_STU_SEQ_NO	N	2	2
	LOAN_SEQ_NO	C	2			LOAN_SEQ_NO	N	2	3
	STU_NO	C	2			STU_NO	N	4	4

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	STU_SEQ_NO	D	8			STU_SEQ_NO	N	2	5
	SCH_CODE					SCH_CODE	C	2	
	SCH_BR_CODE	C	9			SCH_BR_CODE	C	2	
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
STU_DEM		C	1		STU_DEM	DT_TM_STAMP	T	10	
	ALIEN_REGIS_NO	N	4	3		ALIEN_REGIS_NO	C	9	
	APPL_COMPL_DT	C	20			APPL_COMPL_DT	D	8	
	BACHLR_DEG_IND	C	1			BACHLR_DEG_IND	C	1	
	CALNDR_YR	C	2			AWARD YR	N	4	3
	CITY	C	2			CITY	C	20	
	CITZ	C	1			CITZ	C	1	
	COLLG_LVL_CODE	C	1			COLLG_LVL_CODE	C	2	
	CRS_OF_STUDY_CODE	C	1			CRS_OF_STUDY_CODE	C	2	
	DEG_CODE	N	2			DEG_CODE	C	1	
	DEP_IND	N	5			DEP_IND	C	1	
	DEP_OVRRD_CODE	D	8			DEP_OVRRD_CODE	C	1	
	DEP_PAID_CARE_CNT	N	6			DEP_PAID_CARE_CNT	N	2	
	EXP_FAM_CONTRIB	C	1			EXP_FAM_CONTRIB	N	5	
	EXP_GRAD_DT	N	6			EXP_GRAD_DT	D	8	
	FAM_INCM	C	1			FAM_INCM	N	6	
	FATH_GRD_LVL_CODE	C	1			FATH_GRD_LVL_CODE	C	1	
	GED_YR_MO	C	1			GED_YR_MO	N	6	
	GENDER	N	6			GENDER	C	1	
	GRAD_PROF_STU_IND	C	1			GRAD_PROF_STU_IND	C	1	
	HS_DIPLOMA_GED_IND	C	1			HS_DIPLOMA_GED_IND	C	1	
	HS_GRAD_YR_MO	C	1			HS_GRAD_YR_MO	N	6	
	LEGL_DEP_IND	C	1			LEGL_DEP_IND	C	1	
	MAR_STAT_CODE	N	3			MAR_STAT_CODE	C	1	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	MAR_STAT_IND	C	1			MAR_STAT_IND	C	1	
	MOTH_GRD_LVL_CODE	C	1			MOTH_GRD_LVL_CODE	C	1	
	OLDEST_PAR_AGE	C	1			OLDEST_PAR_AGE	N	3	
	OVER_24_IND	C	1			OVER_24_IND	C	1	
	PAR_MAR_STAT_CODE	C	1			PAR_MAR_STAT_CODE	C	1	
	SAME_COLLG_IND	C	2			SAME_COLLG_IND	C	1	
	SSN_CITZ_IND	C	50			SSN_CITZ_IND	C	1	
	SSN_IND	N	9	1		SSN_IND	C	1	
	ST	N	4	2		ST	C	2	
	STR_ADD	N	3			STR_ADD	C	50	
	STU_NO	N	2			STU_NO	N	9	1
	STU_SEQ_NO	C	1			STU_SEQ_NO	N	4	2
	VA_EDUC_BEN_AMT	C	1			VA_EDUC_BEN_AMT	N	3	
	VA_EDUC_BEN_MO_CNT	C	9			VA_EDUC_BEN_MO_CNT	N	2	
	VA_IND					VA_IND	C	1	
	WARD_ORPHAN_IND	C	1			WARD_ORPHAN_IND	C	1	
	ZIP_CODE	C	12	3		ZIP_CODE	C	9	
STU_NM		C	35	4	STU_NM	DT_TM_STAMP	T	10	
	CURR_NM_IND	N	9	1		CURR_NM_IND	C	1	
	FST	N	4	2		FST	C	12	3
	LST	D	8			LST	C	35	4
	STU_NO					STU_NO	N	9	1
	STU_SEQ_NO	C	1			STU_SEQ_NO	N	4	2
	SYS_CR_DT	C	9	3		SYS_CR_DT	D	8	
STU_SSN		C	1		STU_SSN	DT_TM_STAMP	T	10	
	CURR_SSN_IND	C	8			CURR_SSN_IND	C	1	
	NO	D	8			NO	C	9	3
	PSEUDO_SSN_IND	N	9	1		PSEUDO_SSN_IND	C	1	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SRC	N	4	2		SRC	C	8	
	STU_DOB	D	8			STU_DOB	D	8	
	STU_NO					STU_NO	N	9	1
	STU_SEQ_NO	D	8			STU_SEQ_NO	N	4	2
	SYS_CR_DT	D	8	5		SYS_CR_DT	D	8	
STU_STAT		C	1		STU_STAT	DT_TM_STAMP	T	10	
	CERT_DT	C	2	4		CERT_DT	D	8	
	EFF_DT	C	6	3		EFF_DT	D	8	5
	ENRL_CODE	C	8			ENRL_CODE	C	1	
	SCH_BR_CODE	Q	26			SCH_BR_CODE	C	2	4
	SCH_CODE	N	9	1		SCH_CODE	C	6	3
	SRC	N	4	2		SRC	C	8	
	SSCR_JOB_TSTAMP	D	8			SSCR_JOB_TSTAMP	Q	26	
	STU_NO					STU_NO	N	9	1
	STU_SEQ_NO	C	1			STU_SEQ_NO	N	4	2
	SYS_CR_DT	D	8	5		SYS_CR_DT	D	8	
STU_STAT_UNRESLV		C	1		STU_STAT_UNRESLV	DT_TM_STAMP	T	10	
	CNSTNCY_IND	C	1			CNSTNCY_IND	C	1	
	EFF_DT	C	2	4		EFF_DT	D	8	5
	ENRL_CODE	C	6	3		ENRL_CODE	C	1	
	PRMTN_IND	C	8	6		PRMTN_IND	C	1	
	SCH_BR_CODE	N	9	1		SCH_BR_CODE	C	2	4
	SCH_CODE	N	4	2		SCH_CODE	C	6	3
	SRC	D	8			SRC	C	8	6
	STU_NO					STU_NO	N	9	1
	STU_SEQ_NO	T	10			STU_SEQ_NO	N	4	2
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
SUBST_EFF_RNG		D	8		SUBST_EFF_RNG	DT_TM_STAMP	T	10	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	DEF_RT_RUN_TSTAMP					DEF_RT_RUN_TSTAMP	T	10	
	BEG_DT	T	10	1		BEG_DT	D	8	
	END_DT	T	10	2		END_DT	D	8	
SUSP_HIS		C	1		SUSP_HIS	DT_TM_STAMP	T	10	
	HIS_RUN_TSTAMP	C	4			HIS_RUN_TSTAMP	T	10	1
	SYS_CR_TSTAMP	C	8			SYS_CR_TSTAMP	T	10	2
	CODE	C	35			CODE	C	1	
	EXTR_DT	C	12			EXTR_DT	C	4	
	AUTH_ID					AUTH_ID	C	8	
	USER_LST_NM	T	10			USER_LST_NM	C	35	
	USER_FST_NM	D	8			USER_FST_NM	C	12	
SYS_REQ		C	8		SYS_REQ	DT_TM_STAMP	T	10	
	HIS_RUN_TSTAMP	C	35			HIS_RUN_TSTAMP	T	10	
	SYS_CR_DT	D	8			SYS_CR_DT	D	8	
	AUTH_ID	C	8			AUTH_ID	C	8	
	CARE_OF_LST_NM	C	1			CARE_OF_LST_NM	C	35	
	ORIG_DT	D	8			ORIG_DT	D	8	
	MEDIA_TYPE	C	1			MEDIA_TYPE	C	8	
	SCO	C	12			SCO	C	1	
	DT_FUFILLD	C	8			DT_FUFILLD	D	8	
	EXEC_PRIO	C	1			EXEC_PRIO	C	1	
	CARE_OF_FST_NM		1			CARE_OF_FST_NM	C	12	
	MEDIA_FMT	N	6			MEDIA_FMT	C	8	
	REQ_TYPE	C	3	5		REQ_TYPE	C	1	
SUPP_REINSUR_PMT		D	8	6	SUPP_REINSUR_PMT	DT_TM_STAMP	T	10	
	CUM_REQ_AMT	N	2	2		CUM_REQ_AMT	N	6	
	GA_CODE	N	2	4		GA_CODE	C	3	5
	GA_RESP_BEG_DT	N	9	1		GA_RESP_BEG_DT	D	8	6

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	ID_STU_SEQ_ID	N	4	3		ID_STU_SEQ_ID	N	2	2
	LOAN_GUA_SEQ_NO	N	6			LOAN_GUA_SEQ_NO	N	2	4
	LOAN_NO	N	6			LOAN_NO	N	9	1
	LOAN_SEQ_NO	D	8			LOAN_SEQ_NO	N	4	3
	OTH_FEES_END_BAL	C	2			OTH_FEES_END_BAL	N	6	
	REQ_AMT_DIFF	N	2	7		REQ_AMT_DIFF	N	6	
	REQ_DT	D	8	8		REQ_DT	D	8	
	RSN_CODE					RSN_CODE	C	2	
	SEQ_NO	Q	10			SEQ_NO	N	2	7
	SYS_CR_DT	C	2	2		SYS_CR_DT	D	8	8
TEXT_PARM					TEXT_PARM	DT_TM_STAMP	T	10	
	SEQ_NO	N		1		SEQ_NO	N		1
	TYPE	C	1			TYPE	C	1	
	PARM_VAL	C	80			PARM_VAL	C	80	
	PARM_LGTH	N				PARM_LGTH	N		
TM_ALRT_RUN_HIS		C	6	1	TM_ALRT_RUN_HIS	DT_TM_STAMP	T	10	
	END_TSTAMP	N	2			END_TSTAMP	Q	10	
	SCH_BR_CODE	Q	10	3		SCH_BR_CODE	C	2	2
	SCH_CODE					SCH_CODE	C	6	1
	SEQ_NO	C	48			SEQ_NO	N	2	
	TM_EVT_BEG_TSTAMP	Q	10	1		TM_EVT_BEG_TSTAMP	Q	10	3
TM_EVT		C	1		TM_EVT	DT_TM_STAMP	T	10	
	AGT	C	2			AGT	C	48	
	BEG_TSTAMP	C	8	8		BEG_TSTAMP	Q	10	1
	METHOD	C	8	9		METHOD	C	1	
	TYPE	N	2	12		TYPE	C	2	
TM_INFRM_RUN_ERR	DOB	N	2	11	TM_INFRM_RUN_ERR	DOB	C	8	8
	ENRL_BEG_DT	C	35			ENRL_BEG_DT	C	8	9

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	ERR_CD	C	12	6		ERR_CD	N	2	12
	FLD_IN_ERR_CD	C	35	7		FLD_IN_ERR_CD	N	2	11
	FLD_IN_ERR_VAL	C	8	4		FLD_IN_ERR_VAL	C	35	
	FST_NM	C	2	2		FST_NM	C	12	6
	LST_NM	C	6	1		LST_NM	C	35	7
	OPEID	C	9	5		OPEID	C	8	4
	SCH_BR_CODE	C	8	10		SCH_BR_CODE	C	2	2
	SCH_CODE	Q	10	3		SCH_CODE	C	6	1
	SSN	Q	10			SSN	C	9	5
	TM_BEG_DT	N	4			TM_BEG_DT	C	8	10
	TM_EVT_BEG_TSTAMP	N	4			TM_EVT_BEG_TSTAMP	Q	10	3
	END_TSTAMP	N	4			END_TSTAMP	Q	10	
	ERR_CNT	D	8			ERR_CNT	N	4	
	ERR_REC_CNT	N	2			ERR_REC_CNT	N	4	
	REC_CNT	C	2	2		REC_CNT	N	4	
	SBMTL_DT	C	6	1		SBMTL_DT	D	8	
	SBMTL_SEQ_NO	Q	10	3		SBMTL_SEQ_NO	N	2	
	SCH_BR_CODE	N	4			SCH_BR_CODE	C	2	2
	SCH_CODE	N	4			SCH_CODE	C	6	1
	TM_EVT_BEG_TSTAMP					TM_EVT_BEG_TSTAMP	Q	10	3
	WRN_CNT	Q	10	5		WRN_CNT	N	4	
	WRN_REC_CNT	D	4	8		WRN_REC_CNT	N	4	
TM_INFRM_RUN_HIS					TM_INFRM_RUN_HIS	DT_TM_STAMP	T	10	
	END_TSTAMP	Q	10			END_TSTAMP	Q	10	
	ERR_CNT	N	4			ERR_CNT	N	4	
	ERR_REC_CNT	N	4			ERR_REC_CNT	N	4	
	REC_CNT	N	4			REC_CNT	N	4	
	SBMTL_DT	D	8			SBMTL_DT	D	8	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
TM_STU		Q	10		TM_STU	DT_TM_STAMP	T	10	
	BEG_TSTAMP	D	8			BEG_TSTAMP	Q	10	5
	DOB	C	12	6		DOB	D	4	8
	END_TSTAMP	C	35	7		END_TSTAMP	Q	10	
	ENRL_BEG_DT	D	8			ENRL_BEG_DT	D	8	
	FST_NM	N	4			FST_NM	C	12	6
	LST_NM	N	2			LST_NM	C	35	7
	MNTR_BEG_DT	C	2	3		MNTR_BEG_DT	D	8	
	PLUS_BOR_NO	C	6	2		PLUS_BOR_NO	N	4	
	PLUS_BOR_SEQ_NO	C	9	1		PLUS_BOR_SEQ_NO	N	2	
	SCH_BR_CODE	N	9			SCH_BR_CODE	C	2	3
	SCH_CODE	N	2			SCH_CODE	C	6	2
	SSN	Q	10	4		SSN	C	9	1
	STU_NO					STU_NO	N	9	
	STU_SEQ_NO	C	1			STU_SEQ_NO	N	2	
	TM_EVT_BEG_TSTAMP	C	1			TM_EVT_BEG_TSTAMP	Q	10	4
TM_STU_ALRT		C	6		TM_STU_ALRT	DT_TM_STAMP	T	10	
	ACT_BKRPT_FLAG	C	6			ACT_BKRPT_FLAG	C	1	
	AGG_CHG_FLAG	C	6			AGG_CHG_FLAG	C	1	
	AGG_CMBN_OND_DIS	C	6			AGG_CMBN_OND_DIS	C	6	
	AGG_CMBN_TOT	C	6			AGG_CMBN_TOT	C	6	
	AGG_CNSL_TOT	C	6			AGG_CNSL_TOT	C	6	
	AGG_COMB_OPB	C	6			AGG_COMB_OPB	C	6	
	AGG_CONSOL_OPB	C	6			AGG_CONSOL_OPB	C	6	
	AGG_SUB_OPB	C	6			AGG_SUB_OPB	C	6	
	AGG_SUB_PEND_DIS	C	6			AGG_SUB_PEND_DIS	C	6	
	AGG_SUB_TOT	C	6			AGG_SUB_TOT	C	6	
	AGG_UNSUB_OPB	Q	10	9		AGG_UNSUB_OPB	C	6	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	AGG_UNSUB_PEND_DIS	D	4			AGG_UNSUB_PEND_DIS	C	6	
	AGG_UNSUB_TOT	C	12			AGG_UNSUB_TOT	C	6	
	CR_TSTAMP	C	35			CR_TSTAMP	Q	10	9
	CURR_DOB	C	9			CURR_DOB	D	4	
	CURR_FST_NM	C	1			CURR_FST_NM	C	12	
	CURR_LST_NM	C	1			CURR_LST_NM	C	35	
	CURR_SSN	C	1			CURR_SSN	C	9	
	DCHG_LOAN	C	1			DCHG_LOAN	C	1	
	DEF_LOAN_FLAG	C	1			DEF_LOAN_FLAG	C	1	
	DL_MPN_FLAG	C	6			DL_MPN_FLAG	C	1	
	LOAN_CHG_FLAG	C	6			LOAN_CHG_FLAG	C	1	
	PELL_CHG_FLAG	N	4			PELL_CHG_FLAG	C	1	
	PERK_CURR_YR_DIS	N	2			PERK_CURR_YR_DIS	C	6	
	PERK_TOT_DIS	C	1			PERK_TOT_DIS	C	6	
	PLUS_BOR_NO	C	2	3		PLUS_BOR_NO	N	4	
	PLUS_BOR_SEQ_NO	C	6	2		PLUS_BOR_SEQ_NO	N	2	
	SAT_ARRNG_FLAG	N	9			SAT_ARRNG_FLAG	C	1	
	SCH_BR_CODE	N	2			SCH_BR_CODE	C	2	3
	SCH_CODE	Q	10	4		SCH_CODE	C	6	2
	STU_NO	Q	10	5		STU_NO	N	9	
	STU_SEQ_NO	D	4	8		STU_SEQ_NO	N	2	
	TM_EVT_BEG_TSTAMP	C	12	6		TM_EVT_BEG_TSTAMP	Q	10	4
	TM_STU_BEG_TSTAMP	C	35	7		TM_STU_BEG_TSTAMP	Q	10	5
	TM_STU_DOB	C	9	1		TM_STU_DOB	D	4	8
	TM_STU_FST_NM					TM_STU_FST_NM	C	12	6
	TM_STU_LST_NM	C	1			TM_STU_LST_NM	C	35	7
	TM_STU_SSN	C	1			TM_STU_SSN	C	9	1
TM_STU_ALRT_LOAN		C	8		TM_STU_ALRT_LOAN	DT_TM_STAMP	T	10	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	ACAD_LVL	C	3			ACAD_LVL	C	1	
	ADD_UNSUB_FLAG	C	1			ADD_UNSUB_FLAG	C	1	
	CON	C	3			CON	C	8	
	CON_TYPE	C	6			CON_TYPE	C	3	
	CPTL_INT_FLAG	C	6			CPTL_INT_FLAG	C	1	
	CURR_GA_CODE	C	2			CURR_GA_CODE	C	3	
	CURR_LEN_CODE	D	8			CURR_LEN_CODE	C	6	
	CURR_LEN_SVR_CODE	N	2			CURR_LEN_SVR_CODE	C	6	
	CURR_STAT_CODE	C	1			CURR_STAT_CODE	C	2	
	CURR_STAT_DT	C	6			CURR_STAT_DT	D	8	
	ID_STU_SEQ_NO	C	8			ID_STU_SEQ_NO	N	2	
	LOAN_CHG_FLAG	N	4			LOAN_CHG_FLAG	C	1	
	LOAN_DIS_AMT	N	2			LOAN_DIS_AMT	C	6	
	LOAN_DIS_DT	C	2			LOAN_DIS_DT	C	8	
	LOAN_NO	N	4			LOAN_NO	N	4	
	LOAN_SEQ_NO	C	8			LOAN_SEQ_NO	N	2	
	LOAN_TYPE_CODE	C	6			LOAN_TYPE_CODE	C	2	
	NET_AMT	C	8			NET_AMT	N	4	
	OPEID	C	8			OPEID	C	8	
	OUT_PRIN_BAL	C	8			OUT_PRIN_BAL	C	6	
	OUT_PRIN_BAL_DT	C	48			OUT_PRIN_BAL_DT	C	8	
	PER_BEG_DT	D	8			PER_BEG_DT	C	8	
	PER_END_DT	C	2	3		PER_END_DT	C	8	
	REV_BY_NM	C	6	2		REV_BY_NM	C	48	
	REV_DT	N	2	10		REV_DT	D	8	
	SCH_BR_CODE	Q	10	4		SCH_BR_CODE	C	2	3
	SCH_CODE	Q	10	9		SCH_CODE	C	6	2
	SEQ_NO	Q	10	5		SEQ_NO	N	2	10

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	TM_EVT_BEG_TSTAMP	D	4	8		TM_EVT_BEG_TSTAMP	Q	10	4
	TM_STU_ALRT_CR_TS	C	12	6		TM_STU_ALRT_CR_TS	Q	10	9
	TM_STU_BEG_TSTAMP	C	35	7		TM_STU_BEG_TSTAMP	Q	10	5
	TM_STU_DOB	C	9	1		TM_STU_DOB	D	4	8
	TM_STU_FST_NM					TM_STU_FST_NM	C	12	6
	TM_STU_LST_NM	C	12			TM_STU_LST_NM	C	35	7
	TM_STU_SSN	C	35			TM_STU_SSN	C	9	1
TM_STU_ALRT_NM		C	1		TM_STU_ALRT_NM	DT_TM_STAMP	T	10	
	FST_NM	C	1	3		FST_NM	C	12	
	LST_NM	C	6	2		LST_NM	C	35	
	MID_INIT	N	2	10		MID_INIT	C	1	
	SCH_BR_CODE	Q	10	4		SCH_BR_CODE	C	1	3
	SCH_CODE	Q	10	9		SCH_CODE	C	6	2
	SEQ_NO	Q	10	5		SEQ_NO	N	2	10
	TM_EVT_BEG_TSTAMP	D	4	8		TM_EVT_BEG_TSTAMP	Q	10	4
	TM_STU_ALRT_CR_TS	C	12	6		TM_STU_ALRT_CR_TS	Q	10	9
	TM_STU_BEG_TSTAMP	C	35	7		TM_STU_BEG_TSTAMP	Q	10	5
	TM_STU_DOB	C	9	2		TM_STU_DOB	D	4	8
	TM_STU_FST_NM					TM_STU_FST_NM	C	12	6
	TM_STU_LST_NM	C	3			TM_STU_LST_NM	C	35	7
	TM_STU_SSN	N	4			TM_STU_SSN	C	9	2
TM_STU_ALRT_PELL		C	8		TM_STU_ALRT_PELL	DT_TM_STAMP	T	10	
	ACCPY_VRFY_STAT	N	4			ACCPY_VRFY_STAT	C	3	
	AMT_PAID_TO_DT	C	4			AMT_PAID_TO_DT	N	4	
	AS_OF_DT	N	4			AS_OF_DT	C	8	
	AWARD_AMT	C	8			AWARD_AMT	N	4	
	AWARD_YR	N	5			AWARD_YR	C	4	
	EXP_FAM_CONTRIB	C	1			EXP_FAM_CONTRIB	N	4	

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	OPEID	C	4			OPEID	C	8	
	PCT_ELIG_USED	C	2			PCT_ELIG_USED	N	5	
	PELL_CHG_FLAG	C	2			PELL_CHG_FLAG	C	1	
	PELL_GRT_AWARD_YR	C	6			PELL_GRT_AWARD_YR	C	4	
	PELL_GRT_TYPE	N	4			PELL_GRT_TYPE	C	2	
	PELL_SCH_BR_CODE	C	48			PELL_SCH_BR_CODE	C	2	
	PELL_SCH_CODE	D	8			PELL_SCH_CODE	C	6	
	REMN_AMT_TO_PAT	C	2	3		REMN_AMT_TO_PAT	N	4	
	REV_BY_NM	C	6	2		REV_BY_NM	C	48	
	REV_DT	N	4			REV_DT	D	8	
	SCH_BR_CODE	N	2	10		SCH_BR_CODE	C	2	3
	SCH_CODE	N	9			SCH_CODE	C	6	2
	SCHED_AMT	N	2			SCHED_AMT	N	4	
	SEQ_NO	Q	10	4		SEQ_NO	N	2	10
	STU_NO	Q	10	9		STU_NO	N	9	
	STU_SEQ_NO	Q	10	5		STU_SEQ_NO	N	2	
	TM_EVT_BEG_TSTAMP	D	4	8		TM_EVT_BEG_TSTAMP	Q	10	4
	TM_STU_ALRT_CR_TS	C	12	6		TM_STU_ALRT_CR_TS	Q	10	9
	TM_STU_BEG_TSTAMP	C	35	7		TM_STU_BEG_TSTAMP	Q	10	5
	TM_STU_DOB	C	9	1		TM_STU_DOB	D	4	8
	TM_STU_FST_NM	C	2			TM_STU_FST_NM	C	12	6
	TM_STU_LST_NM					TM_STU_LST_NM	C	35	7
	TM_STU_SSN	C	8			TM_STU_SSN	C	9	1
	TRAN_NO	C	1			TRAN_NO	C	2	
TM_SCH_XFER_PROF		Q	10	3	TM_SCH_XFER_PROF	DT_TM_STAMP	T	10	
	ALRT_DEST_ID	C	48			ALRT_DEST_ID	C	8	
	BAT_ALRT_METHOD	C	45			BAT_ALRT_METHOD	C	1	
	BEG_TSTAMP	Q	10			BEG_TSTAMP	Q	10	3

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	CR_BY_USER_NM	C	12			CR_BY_USER_NM	C	48	
	EMAIL_ADD	C	8			EMAIL_ADD	C	45	
	END_TSTAMP	C	35			END_TSTAMP	Q	10	
	FST_NM	C	5			FST_NM	C	12	
	INFRM_DEST_ID	C	12			INFRM_DEST_ID	C	8	
	LST_NM	C	2	2		LST_NM	C	35	
	PH_EXT	C	6	1		PH_EXT	C	5	
	PH_NO	C	30			PH_NO	C	12	
	SCH_BR_CODE					SCH_BR_CODE	C	2	2
	SCH_CODE	C	4			SCH_CODE	C	6	1
	TITL	C	8			TITL	C	30	
TM_STU_ALRT_OVRPMT		C	1		TM_STU_ALRT_OVRPMT	DT_TM_STAMP	T	10	
	AWARD_YR	C	2			AWARD_YR	C	4	
	OVRPMT_CON	C	2	3		OVRPMT_CON	C	8	
	OVRPMT_IND	C	6	2		OVRPMT_IND	C	1	
	OVRPMT_TYPE	N	2	10		OVRPMT_TYPE	C	2	
	SCH_BR_CODE	D	4	8		SCH_BR_CODE	C	2	3
	SCH_CODE	Q	10	4		SCH_CODE	C	6	2
	SEQ_NO	Q	10	9		SEQ_NO	N	2	10
	TM_DOB	Q	10	5		TM_DOB	D	4	8
	TM_EVT_BEG_TSTAMP	C	12	6		TM_EVT_BEG_TSTAMP	Q	10	4
	TM_STU_ALRT_CR_TS	C	35	7		TM_STU_ALRT_CR_TS	Q	10	9
	TM_STU_BEG_TSTAMP	C	9	1		TM_STU_BEG_TSTAMP	Q	10	5
	TM_STU_FST_NM					TM_STU_FST_NM	C	12	6
	TM_STU_LST_NM	C	10	1		TM_STU_LST_NM	C	35	7
	TM_STU_SSN	C	60			TM_STU_SSN	C	9	1
TRAN_AUD_LOG					TRAN_AUD_LOG	DT_TM_STAMP	T	10	
	NSLDS_ID	C	8	0		NSLDS_ID	C	8	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	SYS_CR_TSTAMP	T	10	2		SYS_CR_TSTAMP	T	10	2
	TRAN_CODE	C	4	1		TRAN_CODE	C	4	1
TRAN_CMT					TRAN_CMT	DT_TM_STAMP			
	DESCN	C	80	0		DESCN	C	80	0
	SEQ_NO	N	2	3		SEQ_NO	N	2	3
	TRAN_LOG_TRAN_CODE	C	4	1		TRAN_LOG_TRAN_CODE	C	4	1
	TRAN_LOG_TSTAMP	T	10	2		TRAN_LOG_TSTAMP	T	10	2
TRAN_DET					TRAN_DET	DT_TM_STAMP			
	ACC_CNT	N	2	0		ACC_CNT	N	2	0
	CODE	C	4	4		CODE	C	4	4
	NSLDS_ID	C	8	1		NSLDS_ID	C	8	1
	TRAN_LOG_CODE	C	4	2		TRAN_LOG_CODE	C	4	2
	TRAN_LOG_TSTAMP	T	10	3		TRAN_LOG_TSTAMP	T	10	3
TRAN_LOG					TRAN_LOG	DT_TM_STAMP	T	10	
	CODE	C	4	2		CODE	C	4	2
	NSLDS_ID	C	8	1		NSLDS_ID	C	8	1
	SRCH_DOB	D	4	0		SRCH_DOB	D	4	0
	SRCH_FST_NM	C	12	0		SRCH_FST_NM	C	12	0
	SRCH_RSLT	C	1	0		SRCH_RSLT	C	1	0
	SRCH_SSN	C	9	0		SRCH_SSN	C	9	0
	SYS_CR_TSTAMP	T	10	3		SYS_CR_TSTAMP	T	10	3
TRND					TRND	DT_TM_STAMP	T	10	
	NSLDS_USER_ID	C	8	1		NSLDS_USER_ID	C	8	1
	STAT	C	1	0		STAT	C	1	0
	STAT_DT	D	4	0		STAT_DT	D	4	0
	TYPE	C	2	2		TYPE	C	2	2
USER_DEST					USER_DEST	DT_TM_STAMP	T	10	
	DEST_ID	C	8	0		DEST_ID	C	8	0

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	USER_ID	C	8	0		USER_ID	C	8	0
	USER_TYPE	C	4	0		USER_TYPE	C	4	0
USER_FUNC					USER_FUNC	DT_TM_STAMP	T	10	
	FUNC_GP_SYS_TSTAMP	T	10	1		FUNC_GP_SYS_TSTAMP	T	10	1
	FUT	C	1	0		FUT	C	1	0
	NSLDS_USER_ID	C	8	2		NSLDS_USER_ID	C	8	2
USER_OPT					USER_OPT	DT_TM_STAMP	T	10	
	BEG_TSTAMP	T	10	4		BEG_TSTAMP	T	10	4
	CATG	C	6	2		CATG	C	6	2
	END_TSTAMP	T	10	0		END_TSTAMP	T	10	0
	NSLDS_USER_ID	C	8	1		NSLDS_USER_ID	C	8	1
	TYPE	C	10	3		TYPE	C	10	3
	VAL	C	10	0		VAL	C	10	0
USER_RPT_PREF					USER_RPT_PREF	DT_TM_STAMP	T	10	
	RPT_ID	C	6	1		RPT_ID	C	6	1
	NSLDS_ID	C	8	2		NSLDS_ID	C	8	2
	SEQ_NO	N		3		SEQ_NO	N		3
	DEST_ID	C	8			DEST_ID	C	8	
	SORT_SEQ	N				SORT_SEQ	N		
	CR_DT	D	8			CR_DT	D	8	
	SPLIT_IND	C	1			SPLIT_IND	C	1	
VAL_TRSL_TAB		C	30	2	VAL_TRSL_TAB	DT_TM_STAMP	T	10	
	LKUP_ID					LKUP_ID	C	10	1
	LKUP_RSLT					LKUP_RSLT	C	60	
	LKUP_TYPE_NM					LKUP_TYPE_NM	C	30	2
WEB_GP_LNK					WEB_GP_LNK	DT_TM_STAMP	T	10	
	ACC_TYPE	C	8	0		ACC_TYPE	C	8	0
	WEB_LNK_NM	C	8	2		WEB_LNK_NM	C	8	2

NSLDS					NSLDS II EDW				
Entity	Attribute	Type	Len	Idx	Entity	Attribute	Type	Len	Idx
	WEB_PG_GP_NM	C	8	1		WEB_PG_GP_NM	C	8	1
WEB_LNK					WEB_LNK	DT_TM_STAMP	T	10	
	DESCN	C	30	0		DESCN	C	30	0
	NM	C	8	1		NM	C	8	1
WEB_LNK_SECUR					WEB_LNK_SECUR	DT_TM_STAMP	T	10	
	FUNC_GP_SYS_TSTAMP	T	10	2		FUNC_GP_SYS_TSTAMP	T	10	2
	FUT	C	1	0		FUT	C	1	0
	WEB_LNK_NM	C	8	1		WEB_LNK_NM	C	8	1
WEB_PG_GP					WEB_PG_GP	DT_TM_STAMP	T	10	
	DESCN	C	30	0		DESCN	C	30	0
	NM	C	8	1		NM	C	8	1
WEB_RPT_DEST					WEB_RPT_DEST	DT_TM_STAMP	T	10	
	AVAIL	C	12	0		AVAIL	C	12	0
	DESCN	C	50	0		DESCN	C	50	0
	DEST_ID	C	8	1		DEST_ID	C	8	1
	NODE_NM	C	8	0		NODE_NM	C	8	0
	OPUT_CLASS	C	6	0		OPUT_CLASS	C	6	0
	PRT_NM	C	8	0		PRT_NM	C	8	0
WEB_USER_DEST					WEB_USER_DEST	DT_TM_STAMP	T	10	
	LOC_GP_SYS_TSTAMP	T	10	1		LOC_GP_SYS_TSTAMP	T	10	1
	USER_TYPE	C	4	3		USER_TYPE	C	4	3
	WEB_RPT_DEST_ID	C	8	2		WEB_RPT_DEST_ID	C	8	2
WEB_USER_SESN					WEB_USER_SESN	DT_TM_STAMP	T	10	
	LST_ON_SYS_TSTAMP	T	10	0		LST_ON_SYS_TSTAMP	T	10	0
	NSLDS_USER_ID	C	8	1		NSLDS_USER_ID	C	8	1
	SESN_ID	N	10	0		SESN_ID	N	10	0

## **6 NSLDS II Interface File Conversion**

### **6.1.1 Process Overview**

Following the initial conversion, the interface data received by NSLDS after the conversion began will be loaded into the NSLDS II EDW. Once the initial conversion is complete, the interface files will be loaded into the NSLDS II EDW using the standard NSLDS II interface load modules. When possible, the files in the queue will be loaded in parallel instead of sequentially to reduce the processing time

### **6.1.2 Interface Files for Conversion**

NSLDS receives interface files from trading partners that are both internal and external to FSA. The external interface files are sent to NSLDS through the Student Aid Internet Gateway (SAIG) or on tape. Interface files from internal trading partners are sent to NSLDS through the EAI Bus or on tape.

The list of the NSLDS interface files that will need to be converted will be produced using the 2003 NSLDS Production Schedule once the conversion dates have been finalized.

### **6.1.3 Interface Program Design**

The detail design specifications for each of the interface programs can be found in the System Interface Detailed Design documents.

## 7 NSLDS II EDW to Data Mart Conversion

### 7.1.1 Data Source

Attribute	Source	Target
System	NSLDS II EDW	NSLDS II Data Mart
VDC Hardware Name	TBD	TBD
IP Address	TBD	TBD

### 7.1.2 Data Conversion Tools

Informatica PowerCenter will be used to convert the data from the NSLDS II EDW to the NSLDS II Data Mart. Users will need to obtain a login to the Informatica server (su35E18) to access the NSLDS II Informatica environment.

### 7.1.3 Data Conversion Procedures

#### 7.1.3.1 Establishing the Database Connections between DB2 and Informatica

Data Sources will have to be created for each database to which PowerCenter will connect. Additionally, the connection strings will have to be changed to point from the development and test servers to the production servers prior to beginning the conversion.

To establish the connections, follow these steps:

- Access the Server Manager by selecting the Windows Start button, and then choosing Programs→Informatica PowerCenter 5.1.2 Client ->Server Manager.
- Connect to the repository by first selecting the INFADEV repository in the left pane and then selecting the Repository->Connect menu item.
- The connect window will appear. Connect by specifying the user and password.
- Select the Server Configuration->Database Connections menu item.
- Select the data source to be added/edited. For this installation, select the NSLDS\_Src data source, which was created by the Informatica Admin.
- Press the Add/Edit button.
- Change the "Connect String" field so that it reflects the proper server. The table below contains description of each field.

Database Connection Option	Description
Data Source	Data source name used to configure sessions.
User Name	Database user name with the appropriate read and write permissions to access the database.
Password	Password for the database user name.
Connect String	The DB2 service name used to connect to the database.

Database Connection Option	Description
Database Type	The type of database.

- Press the OK button to save any changes.
- Press the Close button in the Database Connections window to accept the changes back into the repository and end the editing session.

### 7.1.3.2 Create EDW to NSLDS II Data Mart Mappings

The Informatica Designer will be used to create the NSLDS II EDW to NSLDS II EDW Informatica mapping, mapplets, transformations, and target tables based upon the mapping table located in section 7.1.5 of this document. Informatica mappings are a type of metadata created to specify how to move and transform data between sources and targets. Mappings are stored in folders in the repository.

To use the Informatica Mapping Designer, follow these steps:

- Open the Designer by selecting the Windows Start button, and then choosing Programs->Informatica PowerCenter 5.1.2 Client ->Designer.
- Select the appropriate repository, click on connect. The connection window will appear. Connect by specifying the user and password.
- Open the appropriate NSLDS\_XXXX folder.
- Using the mapping table, create the source to target mappings and the necessary transformations based upon the mapping table.
- Once the mappings are developed, create the necessary sessions to execute the developed mappings using the Server Manager.

### 7.1.3.3 Creating an Informatica PowerCenter Session

Informatica PowerCenter sessions will be used to execute the instructions defined in the mapping. A session is a set of instructions that tells the Informatica Server how and when to move data from sources to targets. Sessions are created and maintained in the Server Manager.

To create a PowerCenter session, follow these steps:

- Use the Server Manager by selecting the Windows Start button from the task bar, then Choose Programs→Informatica PowerCenter Client 5.1.2→Server Manager.
- The Server Manager will launch.
- Connect to the appropriate repository by clicking on its icon in the Server Manager window, and then on the checkmark icon,
- Supply the user name and password, and then press the Connect button. Once connected to the repository, you can select the folder and press the checkmark icon again to show the sessions and batches currently defined and available.
- Select Operations→ Add Session from the menu bar. A new window will pop up. Select the mapping for which you want to create a session and hit OK.

- The session wizard will appear. Select the Source Type from the drop down list. If the source Type is a File, specify the Source File Location and Source File Type by clicking on Source Options. If the Source Type is Database, choose the database connection from the drop down list box. Define the Target Type in the same manner as Source type.
- Click Next on the Session Wizard window after completing Step 5, this will take you to the time page. Here you can define the frequency to run sessions i.e. hourly, daily, weekly etc.
- Click Next on the Session Wizard window, this will take you to the Log files page. Here you can define the log file location, parameter file location on other properties.
- Click Next on the Session Wizard window, this will take you to the Transformation page. On this page, you can override various properties defined in the Mapping Designer.

#### 7.1.3.4 Starting an Informatica PowerCenter Session

Informatica PowerCenter sessions are used to execute the conversions mappings. Sessions can be either run on demand or scheduled. During the data conversion all sessions will run on demand.

To start a PowerCenter session, follow these steps:

- Use the Server Manager by selecting the Windows Start button from the task bar, then Choose Programs→Informatica PowerCenter Client 5.1.2→Server Manager.
- The Server Manager will launch.
- Connect to the INFADDEV repository by clicking on its icon in the Server Manager window, and then on the checkmark icon,
- Supply the user name and password, and then press the Connect button.
- Once connected to the repository, you can select the folder and press the checkmark icon again to show the sessions and batches currently defined and available.
- Ensure that the session to be started is not already scheduled.
- If it is scheduled it appears in the middle pane under a heading of “Status: Scheduled”. The session must be stopped before it is started.
  - To stop a session:
    - Select it in the first pane (upper left corner)
    - Choose the Stop item from the Server Requests menu.
- After running the session, it will need to be rescheduled to run automatically again. See the section below (Scheduling a PowerCenter Session) for instructions on rescheduling the session.
- Select the session to be run in the first pane (upper left corner) and select the “Start” item from the Server Requests menu to start the job.

#### 7.1.3.5 Scheduling a PowerCenter Session

A session can also be scheduled to run continuously, run at a given time or interval, or configured to start after an indicator file appears in a directory. This feature might be used to start a session whenever source data becomes available.

To schedule a session or batch job, follow these steps:

- Launch the Server Manager client tool from the Windows NT-based system.
- Connect to the repository and open the folder containing the session or batch to be run.
- Select the session or batch, and open the Operations menu.
- From the Operations menu, select either Edit Session... or Edit Batch..., depending on which item is selected in the first pane (upper left corner).
- An edit window opens
- Select the “Run every” option, set the Days to 1 and the Hours and Minutes to 0, and set the Start Date and Start Time (if necessary).
  - A session or batch must be scheduled to run at a future time. If the combination of Date and Time do not represent a time in the future, an error will display when the OK button is pressed.
- Press the OK button.
- A message should appear on the bottom window in the Server Manager tool stating that the session or batch has been scheduled, and the session or batch will appear in the middle pane under the heading of “Status: Scheduled” when the next “Poll sessions” occurs.

#### 7.1.4 NSLDS Source Entities for Conversion

The NSLDS II Data Mart entities for conversion are located in the NSLDS II Reengineering Data Architecture Detailed Design document.

#### 7.1.5 NSLDS to NSLDS II EDW Mapping

The mapping table provides a detailed listing of all database entities that will be converted from the NSLDS II EDW to the NSLDS II Data Mart and their attributes. The NSLDS II EDW to NSLDS II Data Mart mapping is located in the NSLDS II Reengineering Data Architecture Detailed Design document.